LD 7095.5
RG 25

MHC Organizations : WMHC Application for 100 Watt Change
1976-1977

Box 9 folder 8

PUBLIC NOTICE

Federal Communications Commission ■ 1919 M Street, NW. ■ Washington, D.C. 20554

For recorded listing of releases and texts call 632-0002

For general information call 632-7260

61473

Report No. 13991 BROADCAST ACTIONS February 25, 1976 - B

The Commission, by its Broadcast Bureau, took the following actions on the dates shown:

Actions of February 19

WDMJ AND REMOTE, MARQUETTE, MICH., THE LAKE SUPERIOR BROADCASTING CO. Granted assignment of license to WDMJ, Inc.; consideration $250,000 (BAL-8546, BALRE-2933).

WJBI(FM), CLARKSDALE, MISS., SUPERIOR BROADCASTING CO., INC. Granted request for subsidiary communications authorization to conduct a background music service on a multiplex basis using a subcarrier frequency of 67 kHz (BSCA-1562).

WBK-255, ST. LOUIS, MO., KSD/KSD-TV, INC. Granted CP and license covering a new aural STL station to operate on 950.5 MHz to be used with KSD, St. Louis (BPST-1569, BLST-1489).

WOO-90, RALEIGH, N. C., NORTH CAROLINA STATE UNIVERSITY. Granted mod. of license covering increase in power of aural STL station; change type transmitter (BMLST-296).

KLUK(FM), ATLANTA, TEX., GLORIA D. HERRING AND A.T. MOORE DBA CASS COUNTY BROADCASTING CO. Granted mod. of CP to extend completion date to April 24, 1976 (BMPH-14736).

WBLU AND REMOTE, SALEM, VA., PIONEER COMMUNICATIONS, INC. Granted assignment of licenses to Blue Ribbon Broadcasting, Inc.; consideration $150,000 (BAL-8499, BALRE-2912).

Action of February 20

WMHC(FM-ED), SOUTH HADLEY, MASS., THE PRESIDENT AND TRUSTEES OF MT. HOLYOKE COLLEGE. Forfeited CP which authorized a change in frequency and installation of new equipment (BPED-1755).

12-3-79

FCC Form 340
May 1977

Approved by GAO
B-180227(R0182)

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A NONCOMMERCIAL EDUCATIONAL TV, FM, OR STANDARD BROADCAST STATION

INSTRUCTIONS

A. This form is to be used only in applying for authority to construct a new noncommercial educational TV, FM, or Standard broadcast station or to make changes in an existing station. This form consists of this part, Section I, and the following sections:

Section II, Legal Qualifications of Broadcast Applicant
Section III, Financial Qualification of Broadcast Applicant
Section IV, Statement of Program Service of Broadcast Applicant
Section V-A, Standard Broadcast Engineering Data
Section V-B, FM Broadcast Engineering Data
Section V-C, Television Broadcast Engineering Data
Section V-G, Antenna and Site Information
Section VI, Equal Employment Opportunity Program

B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy of Section I. Prepare one additional copy (a total of four) of Section V-G and associated exhibits. File all the above with the Federal Communications Commission, Washington, D. C. 20554. APPLICANTS FILING FOR FINANCIAL ASSISTANCE FROM THE DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW) SHOULD SUBMIT THIS APPLICATION TO THE FCC AT LEAST 90 DAYS *PRIOR* TO FILING WITH HEW. Applicants filing with the FCC *after* this time should *not* expect FCC approval in time to receive HEW funding. Applicants should check with HEW for proper HEW filing dates. Applicants applying for funding from other government agencies should check with that agency *and* the FCC to determine filing deadlines for both that agency *and* the FCC.

C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Show date of preparation of each exhibit, antenna pattern, and map, and show date when each photograph was taken.

D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if an unincorporated association, the exact name of the association; if a governmental or public educational agency, the exact name of such agency. The applicant must notify the Commission of any change of address.

E. Information called for by this application which is already on file with the Commission *(except that called for in Section III which is more than 90 days old and in Section V-G)* need not be refiled in this application provided (1) the information is now on file in another application or FCC Form filed by or on behalf of this applicant; (2) the information is identified FULLY by reference to the file number (if any) the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public. (See Section 1.526 of the Commission's Rules and Regulations, "Records to be maintained locally for public inspection by applicants, permittees, and licensees.")

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. Before filling out this application, the applicant should familiarize himself with the Communications Act of 1934, as amended, Parts 1, 2, 17, and 73 of the Commission's Rules and Regulations.

H. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

(All previous editions of this form are cancelled.)

THIS BLOCK FOR COMMISSION USE ONLY

File No.

1. NAME OF APPLICANT *(See Instruction D)*

The President and Trustees of Mount Holyoke ~~College~~

STREET ADDRESS

Mount Holyoke College

CITY	STATE	ZIP
South Hadley	Mass	01075

2. NAME OF PERSON TO WHOM COMMUNICATIONS SHOULD BE SENT, IF DIFFERENT FROM ITEM 1.

See Exhibit I

STREET ADDRESS

CITY	STATE	ZIP

3(a). PURPOSE OF APPLICATION *(Put "X" in appropriate box)*

☐ New station
☐ Major change in existing station facilities
☐ Minor change in existing station facilities

(b). If this application is for a change in existing facilities, complete Section I plus any other Sections necessary to show all substantial changes in information previously filed with the Commission, and indicate below the Sections completed and filed with this application.

	Section II		Section V-A
X	Section III	X	Section V-B
X	Section IV		Section V-C
	Section IV		Section V-G
			Section VI

(c). In the space below refer to information already on file with the Commission which, in accordance with Instruction E, may be incorporated in this application by proper reference.

File or Form No. and Date	Section No.	Paragraph No.
Bled - 1607 2/15/77	II	
Bled - 1607 2/15 77	IV	I

4. REQUESTED FACILITIES

TYPE OF STATION

☐ AM ☒ FM ☐ TELEVISION

FREQUENCY	CHANNEL NO.	CALL SIGN
91 5	218A	WMHC

HOURS OF OPERATION	POWER IN KILOWATTS	
	NIGHT	DAY
unlimited	0.100	0.100

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN IN FEET *(FM and TV only)*

-18 feet

STATION LOCATION

CITY	STATE
South Hadley	Mass

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this _____ day of December , 1979.

(This Section should not be dated and signed until all Sections and Exhibits have been prepared and attached)

President and Trustees of Mount Holyoke College
(NAME OF APPLICANT)

By _____
(SIGNATURE)

Title Presiden

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose(s) for which the information will be used is to determine if the benef. requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information.

Accordingly, every effort should be made to provide all necessary information.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U. S. C. 552a (e) (3).

If applicant is represented by legal or engineering counsel, state name and post office address: Pierson, Ball, and Dowd
1000 Ring Boulevard Washington, D.C. 20036

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
1	I,2	Paul Ryack	Chairman of WMHC Advisor Committee
2	III, 1d	" "	" "
3	III, 2b	Merrill Ewing	Treasurer of Mount Holyoke College
4	III, 2b	" "	" "
5	IV, 2	Lisa Hebb	Program Director-WMHC
6	IV, 4	Paul Ryack	Chairman of WMHC Advisory Commmttee
7	IV, 7	Lisa Carbone	Assistant Station Manager WMHC
8	IV, 8	Ann Messersmith	Station Manager-WMHC
9	VI	Paul Ryack	Chairmen of WMHC Advisory Committee

NAME AND RESIDENCE	OFFICE HELD	CITIZENSHIP	PRINCIPAL PROFESSION OR OCCUPATION	BY WHOM APPOINTED OR ELECTED
Elizabeth Kennan Mount Holyoke College South Hadley, MA 01075	President	USA	President	Board of Trustees Mount Holyoke College
Baker, Roger L. 1900 I.D.S. Center 80 South 8th Street Minneapolis, MN 55402	Trustee	USA	Business Executive	" "
Blake, Curtis L. 11 Stonebridge Lane West Hartford, CT 06107	Trustee	USA	Retired	" "
Cahners, Helene Rabb 280 Beacon Street Boston, MA 02116	Trustee	USA	Unemployed	" "
Corcoran, John W. Donaldson, Lufkin, and Jenrette, Inc. 140 Broadway New York, NY 10007	Trustee	USA	Corporate Executive	" "
Dennis, Darienne L. Fletcher Hall Tufts University Medford, MA 02115	Trustee	USA	Student	" "
Derick, Dorothy B. Shawmut Bank of Boston, N.A. One Federal Street Boston, MA 02211	Trustee	USA	Bank Executive	" "
Donovan, Hedley W. Time and Life Building Rockefeller Center New York, NY 10020	Trustee	USA	Senior Adviser to President of USA	" "
Eisenhart, Virginia Cotins 35 Buckland Avenue Rochester, NY 14618	Trustee	USA	Unemployed	" "
Ellner, Carolyn L. Claremont Graduate School Claremont, CA 91711	Trustee	USA	Educator	" "
Ilchman, Alice Stone International Communications Agency 1776 Pennsylvania Avenue, Room 623 Washington, DC 20547	Trustee	USA	Assistant Secretary of State-USA	" "
Jones, Frank S. 205 Walden Street, Apt. 5C Cambridge, MA 02140	Trustee	USA	Educator	" "

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ordan, Robert C. ew England Mutual Life Insurance Company 01 Boylston Street oston, MA 02117	Trust e	USA	Busines	"	
oewenberg, Chairman Brickwood Knoll, Route 6 owa City, Iowa 52240	Trustee	USA	Educator	"	"
asland, Mary Norton .O. Box 953 anover, NH 03755	Trustee	USA	Unemployed	"	"
atthaei, Gay Humphrey 112 East 78th Street ew York, NY 10021	Trustee	USA	Designer	"	"
cCulloch, Dorothy Rooke 100 Adams Point Road arrington, RI 02806	Trustee	USA	Unemployed	"	"
cIntosh, Deborah Holt 4 Pippin Drive lastonbury, CT 06033	Trustee	USA	Unemployed	"	"
iller, Frances Hall 2 Cliff Road ellesley, MA 02181	Trustee	USA	Attorney	"	"
ulcare, Rena Wadt 8 East Lyon Farm Drive reenwich, CT 06870	Trustee	USA	Business Executive	"	"
owell, M.D., Gloria J. 1386 Avenida de Cortez acific Palisades, CA 90272	Trustee	USA	Physician	"	"
rice, Charles P. heological Seminary lrington, VA 22304	Trustee	USA	Clergy	"	
eymour, Dan 70 United Nations Plaza ew York, NY 10017	Trustee	USA	Consultant	"	"
hapiro, Eli 80 Beacon Street, Apt. 5A oston, MA 02116	Trustee	USA	Educator	"	
teiger, Joan Corcoran 15 Lindor Heights olyoke, MA 01040	Trustee	USA	Business Executive	"	"
ruex, Ruth Olmsted 47 Farmingdale Road ethersfield, CT 06109	Trustee	USA	Unemployed	"	"

Van Cleve, Ruth Gill 3400 Emory Street Alexandria, VA 22312	Trustee	USA	Attorney-Department of Interior	"	"
Ewing, Merrill Mount Holyoke College South Hadley, MA 01075	Treasurer Mount Holyoke College	USA	Administrative Officer	"	"
Gwendolyn Glass Mount Holyoke College South Hadley, MA 01075	Secretary of the College and Secretary to the Board of Trustees	USA	Administrative Officer	"	"

FCC Form 340 | FEDERAL COMMUNICATIONS COMMISSION | Section III

FINANCIAL QUALIFICATIONS OF BROADCAST APPLICANT	Name of Applicant: President and Trustees of Mount Holyoke College	FOR COMMISSION USE ONLY File No.

INSTRUCTIONS

In the questions that follow, the Commission is seeking information as to contracts and arrangements now in existence, as well as any arrangements or negotiations, written or oral, which relate to the present or future financing of the station; the questions must be answered in the light of this instruction.

1a. Give estimated costs for installation of facilities and equipment for which application is made. The costs shown for the following must be the costs in place and ready for service, including the amounts for labor, supervision, materials, supplies, and freight. To the extent that all or part of the items below are covered by a contract or contracts containing a single quotation, the details of such contract or contracts shall be stated in lieu of the estimates called for below; but, in any event, the cost figures must represent costs in place and ready for service.

Transmitter proper including tubes	Antenna system, including tower, antenna ground system, coupling equipment, transmission line	Frequency and modulation monitors
$2900.00 (amplifer only)	$	$ 1900.00
Installation costs	Installation costs	Installation costs
Labor $	Labor $	Labor $
Supervision $	Supervision $ -0-	Supervision $ -0-
Materials & supplies $	Materials & supplies $	Materials & supplies $
Freight $	Freight $	Freight $

Studio technical equipment, microphones, transcription equipment, cameras, etc.	Acquiring land	Acquiring, Constructing or Modifying buildings	Other items (state nature)
$	$	$	$200.00 contingency
Installation costs -0-	-0-	-0-	
Labor $			
Supervision $			
Materials & Supplies $			
Freight $			

Total Cost $5000.00

Give Estimated cost of operation for first year $ 5750.00

1b. State the basis of the estimates in (1a.) above.

Manufacturers quotation

1c. The proposed construction is to be financed and paid for in the following manner (including specified statements as to the approximate amount to be met and paid for from each source). The financial plan should provide for any additional construction costs should the actual cost exceed the original estimated cost.

Existing capital	New capital	Loans from banks or others	State, County, Municipal appropriations
$	$	$	$
Federal Grants	**Donations**	**Credit, deferred payments, etc.**	**Other sources (specify)**
$	$5000.00	$	$

1d. Provide full information as to the sources of funds for the first year's operation of the proposed station, including the following:

See Exhibit II

Source	On hand	Anticipated	Total
(1) State, County, Municipal appropriations			
(2) Schools, colleges, or universities			
(3) Foundations ..... (specify)			
(4) Civic Groups			
(5) Individual donations			
(6) Project Income (production services and contracts, tuition, study guides, non-broadcast activities, etc.)			
(7) Other ..... (specify)			
TOTAL			

2. With respect to the funds referred to in Question 1(c) and 1(d) above, furnish information showing the availability of such funds, including:

a. for governmentally appropriated funds, the date, amount, appropriating body, and object of the appropriation, with any restrictions thereon;

N/A

b. for other than governmentally appropriated funds or Federal grants, submit as Exhibit No. III a detailed balance sheet of applicant, showing financial position as at the close of a month within 90 days of the date of application. If the status and composition of any assets and liabilities on the balance sheet are not clearly defined by their respective titles, attach as Exhibit No. ____ schedules which give a complete analysis of such items;

c. for all applicants, attach as Exhibit No. IV a copy of the applicant's current annual budget, insofar as it relates to existing broadcasting operation(s).

3. Furnish the following information with respect to the non-governmental applicant only. If the answer is "None" to any or all items, specifically so state:

a. Amount of funds on deposit in bank or other Depository

In excess of $100,000.00

b. Name and address of the bank in which deposited

Hampshire National Bank - South Hadley, Massachusetts 01075

c. Name and address of the party in whose name the money is deposited

Mount Holyoke College

d. Conditions of deposit (in trust, savings, subject to check, on time deposit, who may draw on account and for what purpose, or other condition)

Checking account subject to signature of 2 (two) officers for expenses.

e. Whether the funds were deposited for the specific purpose of constructing and operating the station

Not deposited for specific purposes; for college expenses

FCC Form 340 FEDERAL COMMUNICATIONS COMMISSION

STATEMENT OF PROGRAM SERVICE OF BROADCAST APPLICANT	Name of applicant: President and Trustees of Mount Holyoke College	FOR COMMISSION USE ONLY File No.

1. Attach as Exhibit No. the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.

On file. File No. Bled - 1607 - No change

2. Attach as Exhibit No. a proposed weekly schedule of programs together with a brief description of programs not recognizable by their titles. (It is not expected that the licensee will or can adhere inflexibly in day-to-day operation to the representation made here. However, since such representation will constitute, in part, the basis upon which the Commission acts on the application, time and care should be devoted to the preparation of the reply so that it will reflect accurately the applicant's responsible judgment of his proposed programming policy.) If applicant already has such information on file, indicate file number and detail changes, if any.

NOTE: The following are examples of Program data:

1. Sources of programs are defined as follows:

A local program (L) is any program originated or produced by the station, employing live talent more than 50% of the time, and using the studios or other facilities of the station. A local program recorded or filmed by the station for later transmission shall be classified as local. A program produced by a station and fed to a network shall be classified by the originating station as local. Programs primarily featuring phonograph records, syndicated or feature films or taped or transcribed programs, shall not be classified as local even though a station personality appears incidentally to introduce such material.

A record program (REC) (Radio only) is any program, not falling within the definition of "local" above, which utilizes phonograph records, electrical transcriptions or taped music, with or without commentary by a local announcer, or other station personnel.

A network program (N) is any program furnished to the station by a network (national, regional or special) such as NET, NAEB Radio Tape Network, Eastern Educational Network, Educational Radio Network, etc.

Other Programs (OTHER) are any programs not defined above, including, without limitation, syndicated film, taped or transcribed programs, and feature films.

2. Types of educational programs are defined as follows:

Instructional (I) includes all programs designed to be utilized by any level of educational institution in the regular instructional program of the institution. In-school, in-service for teachers, and college credit courses are examples of instructional programs.

General Educational (GEN) is an educational program for which no formal credit is given.

Performing Arts (A) is a program, live or recorded, in which the performing aspect predominates such as drama or concert, opera or dance.

Public Affairs (PA) includes talks, discussions, speeches, documentaries, editorials, forums, panels, round tables, and similar programs primarily concerning local, national, and international affairs or problems.

Light Entertainment (LE) includes programs consisting of popular music or other light entertainment.

Other (O) includes all programs not falling within the definitions of Instructional, General Education, Performing Arts, Public Affairs or Light Entertainment. Such programs as news or sports should be reported as "other."

3. Will the applicant transmit any program which will promote any activity other than education in which the applicant or any party to the application is engaged or financially interested, whether directly or indirectly?

☐ YES If yes, submit as Exhibit a list of such programs together with comments showing the relationship of the programs to the applicants other interests.

☒ NO

4. Attach as Exhibit VI a description of facilities, staff and equipment available to the applicant for his development and production of program material. Include here such items as, for example, studio facilities; service subscribed to and libraries of program material maintained; cameras, tape recorders, remote equipment, etc.; staff personnel used in program production. If applicant already has such information on file, indicate file number and detail changes if any.

5. Will the proposed station be affiliated with any network?

☐ YES If yes, give the name of the network(s).

☒ NO

6. State what percentage of the station's ordinary broadcast week will be devoted to instructional programming (See definition of instructional programming above). 1%

7. Has the applicant placed in its public inspection file the required documentation relating to its efforts to ascertain community problems and needs?

☒ YES

☐ NO If no, attach as Exhibit an explanation.

Radio applicants attach as Exhibit VII the narrative description of this survey (as required by Section 1.527 (b) of the Commission's Rules).

8. Has the applicant placed in its public inspection file the list of no more than 10 significant problems and needs which in the applicant's judgment, warrant treatment during the coming term, and proposed typical and illustrative programming to be broadcast in response thereto?

☒ YES Attach this listing as Exhibit VIII

☐ NO

9. Television applicants attach as Exhibit the Community Leader Checklist for your ascertainment effort conducted six months prior to filing.

NOTE: The NET, NAEB Radio Tape Network, Educational Radio Network, and the Eastern Educational Network are examples of educational networks.

Exhibit Number 1
FCC Form 340
Section 1 Paragraph 2

Send notices and communications to:

Merrill Ewing
Treasurer
Mount Holyoke College
South Hadley, Massachusetts 01075

with copies to:

Pierson, Ball, and Dowd
James Dowd, Esquire
1000 Ring Boulevard
Washington, D.C. 20036

Exhibit Number 2
FCC Form 340
Section III, 1d (2), (7)

(2) Space and utilities are provided my Mount Holyoke College. Estimated value of the contribution is under $1,000 per annum.

(7) Student Government Association appropriations for FY 1981: $5,000 (anticipated)

Exhibit Number 1
ICC Form 10
Section III, Paragraph (2)

MOUNT HOLYOKE COLLEGE

BUDGET

CURRENT OPERATING INCOME

SUMMARY

	REVISED BUDGET (4/30/79) 1979-80
INCOME	
Educational and General:	
Student Tuition (1890 @ $4,550 = $8,599,500*)	$ 8,631,250
Student Fees	130,000
Endowment	3,100,000
Current Investment	240,000
Public Services	79,800
Other	90,000
Federal Grants	349,400
Total Educational & General Income	$12,620,450
Auxiliary Enterprises:	
Residence Halls & Food Service (1790 @ $2,270 = $4,063,300)(see p. 6)	4,190,250
Other Activities (see p. 6)	933,650
Total Operating Income	$17,744,350
Gift Income Availed of for Current Purposes	1,800,000
TOTAL INCOME	$19,544,350

*Full-time undergraduates only; balance part-time and graduate tuition ($80,000)

MOUNT HOLYOKE COLLEGE

BUDGET

CURRENT OPERATING EXPENSES

SUMMARY

	REVISED BUDGET (4/30/79) 1979-80
EXPENSES	
Educational and General:	
Instruction & Departmental Research (see p. 3)	$ 5,744,395
Sponsored Research	118,000
Public Services	230,360
Library	729,267
Student Services (see p. 4)	1,291,744
Opr. & Maint. of Physical Plant (see p. 5)	2,455,256
General Administration (see p. 5)	765,122
General Institutional (see p. 5)	998,138
Other Expense	80,000
Total Educational & General Expense	$12,412,282
Student Aid	1,750,000
Auxiliary Enterprises:	
Residence Halls & Food Service (see p. 6)	4,056,223
Other Activities (see p. 6)	1,118,873
TOTAL EXPENSES	$19,337,378
Transfer for Compensation Improvement	206,972
TOTAL EXPENSES AND TRANSFERS	$19,544,350

Exhibit Number 6
FCC Form 340
Section IV, 4

Studio Equipment

Tape decks
Teac 3340S (open reel)
Teac A3300SX
Advent 201A (Cassette)
ATK (Cartridge)

Turntables (2)

Mixer - Sparta

Remote Equipment

Turntables (2) QRK 12C

Mixers (2) Shure

News and program services subscriptions

United Press International News Service
Mother Earth
Earth Watch

Personnel

Students and Faculty of Mount Holyoke College

EXHIBIT 8
FCC Form 340
Section IV, Paragraph 8

As a result of the ascertainment of community needs and concerns, WMHC has found it can help meet the needs and interests of the community by the following programming.

1. With respect to the problem of security, WMHC plans to incorporate a permanent series of public service announcements into its daily programming in order to bring useful information to its listeners. These announcements can provide information concerning safety instructions including phone numbers or persons to contact in the case of an emergency. They can also provide information on self-defense if that should be necessary. WMHC plans to conduct interviews with members of the security force, members of WASH (Women Against Sexual Harassment), and students on campus during our Sunday evening "Conversations With . . ." program. WMHC feels this problem can be dealt with through continually reminding students to be conscious of their personal safety on campus.

2. With respect to the problem of student apathy, WMHC can keep listeners informed about events in the five college area and encourage participation by highlighting specific benefits. WMHC will announce events and information on various organizations each day at 9:05 am, 12:30 pm, 5:05 pm, and 9:05 pm. Participation may be increased if WMHC broadcasts openings of leadership positions on campus. Descriptions of campus organizations and who to contact for those interested in further information, will also be broadcast. This will be done under a new community announcement which will be a series under the title of "What's been happening on campus?". A specific organization will be chosen for each of a series of announcements and information on what that group has been doing and what goals they have will be broadcast. It is hoped that students will direct their interests and concerns to any one of the organizations after learning more about them.

3. WMHC hopes to bring information to its listeners concerning energy and conservation. Public service announcements that provide this will be broadcast regularly. Information about what organizations there are that deal with the issue of energy and who to contact for details will be researched and broadcast. Statistics pertinent to the energy crisis will also be researched and broadcast to increase awareness of the magnitude of the problem. On "Conversations With...", a discussion with energy representatives on campus will be useful. WMHC is planning a promotional event centered around the issue of energy conservation. It will be based on a contest between dormitories to conserve the most energy during a month long period.

4. The issue of racial discontent has and will continue to be given priority at WMHC. As in the past, any college meeting on this issue will be recorded and broadcast. Student opinion and suggestions are encouraged and broadcast. On "Conversations With..." panel discussions will be useful to define the problem specifically for students.

5. With respect to the communication problems on campus, WMHC has formed a community advisory committee. This committee was developed to enhance dialogue among students, faculty and the community. It is comprised of faculty from the Theatre and English departments, a member of the Administration, a College physician and a Trustee who is a local resident. In cooperation with the committee and the various academic departments on campus, WMHC will have the capability to produce programs dealing with the issues involved in local communications problems.

6. The issue of taxes relates to the general concern of the campus and town in regard to the current economic situation. WMHC is also interested in the other facets of the economy which effect the campus and the broadcast area. In the public affairs programming schedule of WMHC, major news casts, news in brief and news headlines consistently address the economic picture. However, in addition, WMHC is an excellent position to broadcast more comprehensive discussions of economic issues on the local and national scale. The college has the advantage of having expert

resources available to contribute to the on air presentation of economic issues including inflation, unemployment, economic development and taxes.

These are things that will be given immediate attention and will be incorporated into WMHC programming in a permanent way. The ascertainment staff plans to announce a meeting for anyone interested in discussing the results of the surveys and what can be done in response. For the immediate future however, the above mentioned suggestions will be carried through in our attempt to deal with the problems presented to us by our community.

EXHIBIT 9
FCC Form 340
Section 6

WMHC has no full time paid employees, therefore, no equal employment opportunity form need be filed.

FCC Form 340
May 1977

Approved by GAO
B-180227(R0182)

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A NONCOMMERCIAL EDUCATIONAL TV, FM, OR STANDARD BROADCAST STATION

INSTRUCTIONS

A. This form is to be used only in applying for authority to construct a new noncommercial educational TV, FM, or Standard broadcast station or to make changes in an existing station. This form consists of this part, Section I, and the following sections:

Section II, Legal Qualifications of Broadcast Applicant
Section III, Financial Qualification of Broadcast Applicant
Section IV, Statement of Program Service of Broadcast Applicant
Section V-A, Standard Broadcast Engineering Data
Section V-B, FM Broadcast Engineering Data
Section V-C, Television Broadcast Engineering Data
Section V-G, Antenna and Site Information
Section VI, Equal Employment Opportunity Program

B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy of Section I. Prepare one additional copy (a total of four) of Section V-G and associated exhibits. File all the above with the Federal Communications Commission, Washington, D. C. 20554. APPLICANTS FILING FOR FINANCIAL ASSISTANCE FROM THE DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW) SHOULD SUBMIT THIS APPLICATION TO THE FCC AT LEAST 90 DAYS *PRIOR* TO FILING WITH HEW. Applicants filing with the FCC *after* this time should *not* expect FCC approval in time to receive HEW funding. Applicants should check with HEW for proper HEW filing dates. Applicants applying for funding from other government agencies should check with that agency *and* the FCC to determine filing deadlines for both that agency *and* the FCC.

C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Show date of preparation of each exhibit, antenna pattern, and map, and show date when each photograph was taken.

D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if an unincorporated association, the exact name of the association; if a governmental or public educational agency, the exact name of such agency. The applicant must notify the Commission of any change of address.

E. Information called for by this application which is already on file with the Commission *(except that called for in Section III which is more than 90 days old and in Section V-G)* need not be refiled in this application provided (1) the information is now on file in another application or FCC Form filed by or on behalf of this applicant; (2) the information is identified FULLY by reference to the file number (if any) the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public. (See Section 1.526 of the Commission's Rules and Regulations, "Records to be maintained locally for public inspection by applicants, permittees, and licensees.")

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. Before filling out this application, the applicant should familiarize himself with the Communications Act of 1934, as amended, Parts 1, 2, 17, and 73 of the Commission's Rules and Regulations.

H. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

THIS BLOCK FOR COMMISSION USE ONLY

File No.

1. NAME OF APPLICANT *(See Instruction D)*

The President and Trustees of Mount Holyoke College

STREET ADDRESS

Mount Holyoke College

CITY	STATE	ZIP
South Hadley	Mass	01075

2. NAME OF PERSON TO WHOM COMMUNICATIONS SHOULD BE SENT, IF DIFFERENT FROM ITEM 1.

See Exhibit I

STREET ADDRESS

CITY	STATE	ZIP

3(a). PURPOSE OF APPLICATION *(Put "X" in appropriate box)*

☐ New station
☐ Major change in existing station facilities
☐ Minor change in existing station facilities

(b). If this application is for a change in existing facilities, complete Section I plus any other Sections necessary to show all substantial changes in information previously filed with the Commission, and indicate below the Sections completed and filed with this application.

	Section II		Section V-A
X	Section III	X	Section V-B
X	Section IV		Section V-C
	Section IV		Section V-G
			Section VI

(c). In the space below refer to information already on file with the Commission which, in accordance with Instruction E, may be incorporated in this application by proper reference.

File or Form No. and Date	Section No.	Paragraph No.
Bled - 1607 2/15/77	II	
Bled - 1607 2/15 77	IV	I

4. REQUESTED FACILITIES

TYPE OF STATION

☐ AM ☒ FM ☐ TELEVISION

FREQUENCY	CHANNEL NO.	CALL SIGN
91 5	218A	WMHC

HOURS OF OPERATION	POWER IN KILOWATTS	
	NIGHT	DAY
unlimited	0.100	0.100

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN IN FEET *(FM and TV only)*

-18 feet

STATION LOCATION

CITY	STATE
South Hadley	Mass

(All previous editions of this form are cancelled.)

FCC Form 340
May 1977

Approved by GAO
B-180227(R0182)

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A NONCOMMERCIAL EDUCATIONAL TV, FM, OR STANDARD BROADCAST STATION

INSTRUCTIONS

A. This form is to be used only in applying for authority to construct a new noncommercial educational TV, FM, or Standard broadcast station or to make changes in an existing station. This form consists of this part, Section I, and the following sections:

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C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Show date of preparation of each exhibit, antenna pattern, and map, and show date when each photograph was taken.

D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if an unincorporated association, the exact name of the association; if a governmental or public educational agency, the exact name of such agency. The applicant must notify the Commission of any change of address.

E. Information called for by this application which is already on file with the Commission *(except that called for in Section III which is more than 90 days old and in Section V-G)* need not be refiled in this application provided (1) the information is now on file in another application or FCC Form filed by or on behalf of this applicant; (2) the information is identified FULLY by reference to the file number (if any) the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public. (See Section 1.526 of the Commission's Rules and Regulations, "Records to be maintained locally for public inspection by applicants, permittees, and licensees.")

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. Before filling out this application, the applicant should familiarize himself with the Communications Act of 1934, as amended, Parts 1, 2, 17, and 73 of the Commission's Rules and Regulations.

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(All previous editions of this form are cancelled.)

THIS BLOCK FOR COMMISSION USE ONLY

File No.

1. NAME OF APPLICANT *(See Instruction D)*

The President and Trustees of Mount Holyoke College

STREET ADDRESS

Mount Holyoke College

CITY	STATE	ZIP
South Hadley	Mass	01075

2. NAME OF PERSON TO WHOM COMMUNICATIONS SHOULD BE SENT, IF DIFFERENT FROM ITEM 1.

See Exhibit I

STREET ADDRESS

CITY	STATE	ZIP

3(a). PURPOSE OF APPLICATION *(Put "X" in appropriate box)*

☐ New station ☐ Major change in existing station facilities ☐ Minor change in existing station facilities

(b). If this application is for a change in existing facilities, complete Section I plus any other Sections necessary to show all substantial changes in information previously filed with the Commission, and indicate below the Sections completed and filed with this application.

	Section II		Section V-A
X	Section III	X	Section V-B
X	Section IV		Section V-C
	Section IV		Section V-G
			Section VI

(c). In the space below refer to information already on file with the Commission which, in accordance with Instruction E, may be incorporated in this application by proper reference.

File or Form No. and Date	Section No.	Paragraph No.
Bled - 1607 2/15/77	II	
Bled - 1607 2/15 77	IV	I

4. REQUESTED FACILITIES

TYPE OF STATION

☐ AM ☒ FM ☐ TELEVISION

FREQUENCY	CHANNEL NO.	CALL SIGN
91 5	218A	WMHC

HOURS OF OPERATION	POWER IN KILOWATTS	
	NIGHT	DAY
unlimited	0.100	0.100

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN IN FEET *(FM and TV only)*

-18 feet

STATION LOCATION

CITY	STATE
South Hadley	Mass

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this _____ day of December, 1979.

(This Section should not be dated and signed until all Sections and Exhibits have been prepared and attached)

President and Trustees of Mount Holyoke College
(NAME OF APPLICANT)

By _____
(SIGNATURE)

Title President

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose(s) for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information.

Accordingly, every effort should be made to provide all necessary information.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U. S. C. 552a (e) (3).

If applicant is represented by legal or engineering counsel, state name and post office address: Pierson, Ball, and Dowd
1000 Ring Boulevard Washington, D.C. 20036

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
1	I,2	Paul Ryack	Chairman of WMHC Advisor Committee
2	III, 1d	" "	" "
3	III, 2b	Merrill Ewing	Treasurer of Mount Holyoke College
4	III, 2b	" "	" "
5	IV, 2	Lisa Hebb	Program Director-WMHC
6	IV, 4	Paul Ryack	Chairman of WMHC Advisory Commmttee
7	IV, 7	Lisa Carbone	Assistant Station Manager WMHC
8	IV, 8	Ann Messersmith	Station Manager-WMHC
9	VI	Paul Ryack	Chairmen of WMHC Advisory Committee

NAME AND RESIDENCE	OFFICE HELD	CITIZENSHIP	PRINCIPAL PROFESSION OR OCCUPATION	BY WHOM APPOINTED OR ELECTED
Elizabeth Kennan Mount Holyoke College South Hadley, MA 01075	President	USA	President	Board of Trustees Mount Holyoke Colleg
Baker, Roger L. 3900 I.D.S. Center 80 South 8th Street Minneapolis, MN 55402	Trustee	USA	Business Executive	"
Blake, Curtis L. 11 Stonebridge Lane West Hartford, CT 06107	Trustee	USA	Retired	"
Cahners, Helene Rabb 280 Beacon Street Boston, MA 02116	Trustee	USA	Unemployed	"
Corcoran, John W. Donaldson, Lufkin, and Jenrette, Inc. 140 Broadway New York, NY 10007	Trustee	USA	Corporate Executive	"
Dennis, Darienne L. Fletcher Hall Tufts University Medford, MA 02115	Trustee	USA	Student	"
Derick, Dorothy B. Shawmut Bank of Boston, N.A. One Federal Street Boston, MA 02211	Trustee	USA	Bank Executive	"
Donovan, Hedley W. Time and Life Building Rockefeller Center New York, NY 10020	Trustee	USA	Senior Advisor to President of USA	"
Eisenhart, Virginia Cotins 45 Buckland Avenue Rochester, NY 14618	Trustee	USA	Unemployed	"
Ellner, Carolyn L. Claremont Graduate School Claremont, CA 91711	Trustee	USA	Educator	"
Elchman, Alice Stone International Communications Agency 1776 Pennsylvania Avenue, Room 627 Washington, DC 20547	Trustee	USA	Assistant Secretary of State-USA	"
Jones, Frank S. 105 Walden Street, Apt. 5C Cambridge, MA 02140	Trustee	USA	Educator	"

[illegible], [illegible] E. [illegible] [illegible] Mutual Life Insurance Company 401 Boylston Street Boston, MA 02117		USA	Business Executive	"	"
Loewenberg, Chairman 9 Brickwood Knoll, Route 6 Iowa City, Iowa 52240	Trustee	USA	Educator	"	"
Masland, Mary Norton P.O. Box 957 Hanover, NH 03755	Trustee	USA	Unemployed	"	"
Matthaei, Gay Humphrey 712 East 78th Street New York, NY 10021	Trustee	USA	Designer	"	"
McCulloch, Dorothy Rooke 100 Adams Point Road Barrington, RI 02806	Trustee	USA	Unemployed	"	"
McIntosh, Deborah Holt 24 Pippin Drive Glastonbury, CT 06033	Trustee	USA	Unemployed	"	"
Miller, Frances Hall 2 Cliff Road Wellesley, MA 02181	Trustee	USA	Attorney	"	"
Mulcare, Rena Wadt 38 East Lyon Farm Drive Greenwich, CT 06830	Trustee	USA	Business Executive	"	"
Powell, M.D., Gloria J. 1386 Avenida de Cortez Pacific Palisades, CA 90272	Trustee	USA	Physician	"	"
Price, Charles P. Theological Seminary Alrington, VA 22304	Trustee	USA	Clergy	"	"
Seymour, Dan 370 United Nations Plaza New York, NY 10017	Trustee	USA	Consultant	"	"
Shapiro, Eli 180 Beacon Street, Apt. 5A Boston, MA 02116	Trustee	USA	Educator	"	"
Steiger, Joan Corcoran 15 Lindor Heights Holyoke, MA 01040	Trustee	USA	Business Executive	"	"
Truex, Ruth Olmsted 47 Farmingdale Road Wethersfield, CT 06109	Trustee	USA	Unemployed	"	"

Jan Cleve, Ruth Gill 3400 Emory Street Alexandria, VA 22312	Trustee	USA	Attorney-Department of Interior	"
Ewing, Merrill Mount Holyoke College South Hadley, MA 01075	Treasurer Mount Holyoke College	USA	Administrative Officer	"
Gwendolyn Glass Mount Holyoke College South Hadley, MA 01075	Secretary of the College and Secretary to the Board of Trustees	USA	Administrative Officer	"

FCC Form 340

STATEMENT OF PROGRAM SERVICE OF BROADCAST APPLICANT	Name of applicant: President and Trustees of Mount Holyoke College	FOR COMMISSION USE ONLY File No.

1. Attach as Exhibit No. the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.

On file. File No. Bled - 1607 - No change

2. Attach as Exhibit No. a proposed weekly schedule of programs together with a brief description of programs not recognizable by their titles. (It is not expected that the licensee will or can adhere inflexibly in day-to-day operation to the representation made here. However, since such representation will constitute, in part, the basis upon which the Commission acts on the application, time and care should be devoted to the preparation of the reply so that it will reflect accurately the applicant's responsible judgment of his proposed programming policy.) If applicant already has such information on file, indicate file number and detail changes, if any.

NOTE: The following are examples of Program data:

1. Sources of programs are defined as follows:

A local program (L) is any program originated or produced by the station, employing live talent more than 50% of the time, and using the studios or other facilities of the station. A local program recorded or filmed by the station for later transmission shall be classified as local. A program produced by a station and fed to a network shall be classified by the originating station as local. Programs primarily featuring phonograph records, syndicated or feature films or taped or transcribed programs, shall not be classified as local even though a station personality appears incidentally to introduce such material.

A record program (REC) (Radio only) is any program, not falling within the definition of "local" above, which utilizes phonograph records, electrical transcriptions or taped music, with or without commentary by a local announcer, or other station personnel.

A network program (N) is any program furnished to the station by a network (national, regional or special) such as NET, NAEB Radio Tape Network, Eastern Educational Network, Educational Radio Network, etc.

Other Programs (OTHER) are any programs not defined above, including, without limitation, syndicated film, taped or transcribed programs, and feature films.

2. Types of educational programs are defined as follows:

Instructional (I) includes all programs designed to be utilized by any level of educational institution in the regular instructional program of the institution. In-school, in-service for teachers, and college credit courses are examples of instructional programs.

General Educational (GEN) is an educational program for which no formal credit is given.

Performing Arts (A) is a program, live or recorded, in which the performing aspect predominates such as drama or concert, opera or dance.

Public Affairs (PA) includes talks, discussions, speeches, documentaries, editorials, forums, panels, round tables, and similar programs primarily concerning local, national, and international affairs or problems.

Light Entertainment (LE) includes programs consisting of popular music or other light entertainment.

Other (O) includes all programs not falling within the definitions of Instructional, General Education, Performing Arts, Public Affairs or Light Entertainment. Such programs as news or sports should be reported as "other."

3. Will the applicant transmit any program which will promote any activity other than education in which the applicant or any party to the application is engaged or financially interested, whether directly or indirectly?

☐ YES If yes, submit as Exhibit a list of such programs together with comments showing the relationship of the

☒ NO programs to the applicants other interests.

4. Attach as Exhibit VI a description of facilities, staff and equipment available to the applicant for his development and production of program material. Include here such items as, for example, studio facilities; service subscribed to and libraries of program material maintained; cameras, tape recorders, remote equipment, etc.; staff personnel used in program production. If applicant already has such information on file, indicate file number and detail changes if any.

5. Will the proposed station be affiliated with any network?

☐ YES If yes, give the name of the network(s).

☒ NO

6. State what percentage of the station's ordinary broadcast week will be devoted to instructional programming (See definition of instructional programming above). 1%

7. Has the applicant placed in its public inspection file the required documentation relating to its efforts to ascertain community problems and needs?

☒ YES

☐ NO If no, attach as Exhibit an explanation.

Radio applicants attach as Exhibit VII the narrative description of this survey (as required by Section 1.527 (b) of the Commission's Rules),

8. Has the applicant placed in its public inspection file the list of no more than 10 significant problems and needs which in the applicant's judgment, warrant treatment during the coming term, and proposed typical and illustrative programming to be broadcast in response thereto?

☒ YES Attach this listing as Exhibit VIII

☐ NO

9. Television applicants attach as Exhibit the Community Leader Checklist for your ascertainment effort conducted six months prior to filing.

NOTE: The NET, NAEB Radio Tape Network, Educational Radio Network, and the Eastern Educational Network are examples of educational networks.

Exhibit Number 1
FCC Form 340
Section 1 Paragraph 2

Send notices and communications to:

Merrill Ewing
Treasurer
Mount Holyoke College
South Hadley, Massachusetts 01075

with copies to:

Pierson, Ball, and Dowd
James Dowd, Esquire
1000 Ring Boulevard
Washington, D.C. 20036

Exhibit Number 2
FCC Form 340
Section III, 1d (2), (7)

(2) Space and utilities are provided my Mount Holyoke College. Estimated value of the contribution is under $1,000 per annum.

(7) Student Government Association appropriations for FY 1981: $5,000 (anticipated)

Exhibit Number 6
FCC Form 340
Section IV, 4

Studio Equipment

Tape decks
Teac 3340S (open reel)
Teac A3300SX
Advent 201A (Cassette)
ATK (Cartridge)

Turntables (2)

Mixer - Sparta

Remote Equipment

Turntables (2) QRK 12C

Mixers (2) Shure

News and program services subscriptions

United Press International News Service
Mother Earth
Earth Watch

Personnel

Students and Faculty of Mount Holyoke College

EXHIBIT 9
FCC Form 340
Section 6

WMHC has no full time paid employees, therefore, no equal employment opportunity form need be filed.

Exhibit Number 7
FCC Form 340
Section III, Paragraph 2b

MOUNT HOLYOKE COLLEGE

BUDGET

CURRENT OPERATING INCOME

SUMMARY

	REVISED BUDGET (4/30/79) 1979-80
INCOME	
Educational and General:	
Student Tuition (1890 @ $4,550 = $8,599,500*)	$ 8,631,250
Student Fees	130,000
Endowment	3,100,000
Current Investment	240,000
Public Services	79,800
Other	90,000
Federal Grants	349,400
Total Educational & General Income	$12,620,450
Auxiliary Enterprises:	
Residence Halls & Food Service (1790 @ $2,270 = $4,063,300)(see p. 6)	4,190,250
Other Activities (see p. 6)	933,650
Total Operating Income	$17,744,350
Gift Income Availed of for Current Purposes	1,800,000
TOTAL INCOME	$19,544,350

*Full-time undergraduates only; balance part-time and graduate tuition ($80,000)

MOUNT HOLYOKE COLLEGE

BUDGET

CURRENT OPERATING EXPENSES

SUMMARY

	REVISED BUDGET (4/30/79) 1979-80
EXPENSES	
Educational and General:	
Instruction & Departmental Research (see p. 3)	$ 5,744,395
Sponsored Research	118,000
Public Services	230,360
Library	729,267
Student Services (see p. 4)	1,291,744
Opr. & Maint. of Physical Plant (see p. 5)	2,455,256
General Administration (see p. 5)	765,122
General Institutional (see p. 5)	998,138
Other Expense	80,000
Total Educational & General Expense	$12,412,282
Student Aid	1,750,000
Auxiliary Enterprises:	
Residence Halls & Food Service (see p. 6)	4,056,223
Other Activities (see p. 6)	1,118,873
TOTAL EXPENSES	$19,337,378
Transfer for Compensation Improvement	206,972
TOTAL EXPENSES AND TRANSFERS	$19,544,350

COMMUNITY ASCERTAINMENT
OF
SOUTH HADLEY, MASSACHUSETTS

WMHC
MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS

NOV. 1 1983

NOV.

A DEMOGRAPHIC STUDY

OF

SOUTH HADLEY

NOV. 1 1993

The information in this section on characteristics of South Hadley has been extracted from "Massachusetts Profile of South Hadley", prepared by the Massachusetts Department of Commerce and Development. Some data, provided by Mount Holyoke College, Office of the Registrar, has been added to include the college community into the statistics.

South Hadley, Massachusetts:

South Hadley is situated in south central Massachusetts, bordered by Hadley and Amherst on the north, Granby on the east, Chicopee on the south, and separated from Holyoke by the Connecticut River on the west. South Hadley is 12 miles from Springfield, 95 miles from Boston, and 145 miles from New York City.

South Hadley became a town in 1775. For many years, farming was the basis of economic activity. After the Revolutionary War, however, South Hadley became involved in manufacturing. In 1974, 174 manufacturing firms reported to the Massachusetts Division of Employment Security. These firms employed an average of 3,258 persons. Most of these industries are involved in the manufacturing of wire, paper, cloth, and cables. South Hadley is most widely known as the seat of Mount Holyoke College. Mount Holyoke is the oldest of the seven leading colleges for women in New England, being founded in 1837.

The population of South Hadley in 1960 was 14,956. In 1970, the population had increased to 17,033. (In 1975, according to the state census, the town of South Hadley had a population of 16,984.)

Demographic Data: South Hadley, Massachusetts

Population:	17,033
Race:	
a)white	99.4%
b)black	.3%
c)other	.3%
*Mount Holyoke College	1,909 undergraduates
79 black	4%
40 Spanish	2%
49 Asian/Amer	3%

NOV. 1

Mount Holyoke College data con't-

1 Amer Indian/Eskimo	-
59 Foreign (non-resident aliens)	3%
	12%

Age:

under 5	6.5%
5-14	18.5%
15-19	14.1%
20-64	52.4%
65 and over	8.5%

Income Distribution:

Under 3ooo ($)	5.6%
3000-5,999	9.9%
6,000-9,999	26.3%
10,000-14,999	35.5%
15,000 and over	22.7%

Due to the racial composition of South Hadley (99.4% white), data on income distribution by race was limited to the white race only.

Physical Description of South Hadley:

1. Square miles: 17.76

2. Population Density: 957 persons per square mile

3. Major access routes: a) North-South, Route 91
Route 116

b) East- West Route 202

Type of Government: Limited Town Meeting

Economic Trade: The 1972 Census of Business reported the following Retail Trade data for South Hadley.

Establishments:	103
Sales:	$17,277,000
Per Capita Sales:	$1,014

Classification of Business:	Estab.	Sales(add 000)	% of Total
Farm E uipment Dealers:	3	*withheld to avoid disclosure	-
General Merchandise Group:	2	*	-
Food Stores:	9	$3,656	21.2
Automotive Dealers:	6	*	-
Gasoline Service Stations:	15	$2,001	11.6
Apparel,Accessories Stores:	4	*	-
Furniture,Home furnishing, equipment stores	6	666	3.9%
Eating and Drinking Places	23	3,928	22.7
Drug Stores,Proprietary Stores	4	930	5.4
Misc. Retail Stores	31	3,471	20.1

NOV. 1 1983

Employment:

The 1970 U.S. Census of Population showed that there were 5,517 private wage and salary workers, 817 Government workers, 331 self-employed and 5 unpaid family workers living in South Hadley.

Education:

Elementary schools: Carew school
Center School
Mosier Elementary School
Plains school
Woodlawn school

Intermediate: South Hadley Intermediate School
High School: South Hadley High
Five parochial schools are also available in the area.

Community Organizations:

South Hadley offers many opportunities to become involved in an organization. The following list is representative of the varied groups that are available to residents.

ABC- A Better Chance
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Alcoholics Anonymous
Boy Scouts of America
Emotions Anonymous
Fish
4-H
Girl Scouts
The Junior League of Holyoke, Inc.
Know Your Town
The South Hadley Chamber of Commerce
The South Hadley Conservation Society, Inc.
South Hadley Council on Aging
South Hadley Historical Society
South Hadley Jaycees
South Hadley Jayceettes
South Hadley Lions Club
Sohaywo
South Hadley Women's Club

In addition, the community is served by 11 churches, representing most all denominations.

Mount Holyoke College offers the community an array of lectures, art exhibits, craft shows, and musical and theatrical attractions.

COMMUNITY SURVEYS
AND
RESULTS

NOV. 1 1939

NOV. 1 1983

In accordance with FCC regulation, WMHC has completed an ascertainment of the community's problems and interests.

Staff members of WMHC conducted interviews, both in person and by telephone, with 100 selected members of the community. These were evenly divided between students of Mount Holyoke College and members of the community at large.

Printed forms were used to insure consistency in presenting the survey. The question asked of all those interviewed was "What problems do you see in the community, and what programs could WMHC initiate to help solve them?" All responses were recorded on standardized forms, noting name, address, the date of the interview, minority status, and problems mentioned. The racial/minority composition of our listeners is important within the college community only, since the percentage of minority groups in South Hadley is extremely small.

NOV. 1 1980

I. PROGRAMS AIRED

WMHC's last community ascertainment revealed several problems in the community and proposed programs to help solve them. On the "Conversations With..." program, many members of the Mount Holyoke community participated in discussions of issues of interest to the community. Members of Women Against Sexual Harassment spoke about security on campus. Energy conservation and racial discontent were also addressed on this program. To help fight student apathy, WMHC broadcasted information about student organizations four times a day.

NOV. 1 1983

II. RESULTS OF SURVEY

Before a report of the ascertainment results is given, it is important to note the function of WMHC within the South Hadley community. The campus of Mount Holyoke College is the center of WMHC's listening area. It is important to note that Mount Holyoke is a women's college with 1900 students. Therefore, the main focus of attention from WMHC is to serve the college community. The South Hadley community has in the past been largely unaware of WMHC. With our increase in power and publicity efforts, this has been changing. Through canvassing local businesses for underwriting, and interviewing community members for this ascertainment, the South Hadley community has increasingly become aware of WMHC's existence. Though the primary concern of WMHC's programming is and will remain the Mount Holyoke College community, the station will attempt to increase its involvement in the South Hadley community.

The survey by WMHC of the Mount Holyoke College and South Hadley communities revealed the following primary concerns:

1. Lack of information of community events.
2. Political apathy.
3. Security on campus.
4. Lack of communication.

All ascertainment surveys are on file in the WMHC studios in Mary Woolley Hall on the Mount Holyoke College campus.

NOV. 1 1983

III. PROPOSED PROGRAMS

1. Communicating information concerning events in the community is very important to both students at Mount Holyoke and South Hadley residents. WMHC will continue to expand its program of Public Service Announcements announcing events in the community. WMHC will create a "Community Bulletin Board", whereby upcoming events will be announced at a specified time each day. A campus news broadcast will be added to the world news cast to report campus events.

2. To help curb political apathy, WMHC will conduct interviews with political leaders from the community.

3. WMHC will respond to the problem of security on campus with a series of Public Service Announcements. These will include information on preventive security measures and persons to contact in case of emergency.

4. To provide a better means of communication, WMHC will conduct interviews with faculty, staff and students on important issues. This will be done on a weekly basis, and listeners will be asked to phone in comments.

Exhibit Number 7
FCC Form 340
Section IV, Paragraph 7

COMMUNITY ASCERTAINMENT
OF
SOUTH HADLEY, MASSACHUSETTS

WMHC
MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS

A DEMOGRAPHIC STUDY

OF

SOUTH HADLEY

The information in this section on characteristics of South Hadley has been extracted from "Massachusetts Profile of South Hadley", prepared by the Massachusetts Department of Commerce and Development. Some data, provided by Mount Holyoke College, Office of the Registrar, has been added to include the college community into the statistics.

South Hadley, Massachusetts:

South Hadley is situated in south central Massachusetts, bordered by Hadley and Amherst on the north, Granby on the east, Chicopee on the south, and separated from Holyoke by the Connecticut River on the west. South Hadley is 12 miles from Springfield, 95 miles from Boston, and 145 miles from New York City.

South Hadley became a town in 1775. For many years, farming was the basis of economic activity. After the Revolutionary War, however, South Hadley became involved in manufacturing. In 1974, 174 manufacturing firms reported to the Massachusetts Division of Employment Security. These firms employed an average of 3,258 persons. Most of these industries are involved in the manufacturing of wire, paper, cloth, and cables. South Hadley is most widely known as the seat of Mount Holyoke College. Mount Holyoke is the oldest of the seven leading colleges for women in New England, being founded in 1837.

The population of South Hadley in 1960 was 14,956. In 1970, the population had increased to 17,033. (In 1975, according to the state census, the town of South Hadley had a population of 16,984.)

Demographic Data: South Hadley, Massachusetts

Population:	17,033
Race:	
a)white	99.4%
b)black	.3%
c)other	.3%
*Mount Holyoke College	1,909 undergraduates
79 black	4%
40 Spanish	2%
49 Asian/Amer	3%

Mount Holyoke College data con't-

1 Amer Indian/Eskimo	-
59 Foreign (non-resident aliens)	3%
	12%

Age:

under 5	6.5%
5-14	18.5%
15-19	14.1%
20-64	52.4%
65 and over	8.5%

Income Distribution:

Under 3ooo ($)	5.6%
3000-5,999	9.9%
6,000-9,999	26.3%
10,000-14,999	35.5%
15,000 and over	22.7%

Due to the racial composition of South Hadley (99.4% white), data on income distribution by race was limited to the white race only.

Physical Description of South Hadley:

1. Square miles: 17.76

2. Population Density: 957 persons per square mile

3. Major access routes: a) North-South, Route 91
Route 116

b) East- West Route 202

Type of Government: Limited Town Meeting

Economic Trade: The 1972 Census of Business reported the following Retail Trade data for South Hadley.

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Sales:	$17,277,000
Per Capita Sales:	$1,014

Classification of Business:	Estab.	Sales(add 000)	% of Total
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South Hadley offers many opportunities to become involved in an organization. The following list is representative of the varied groups that are available to residents.

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South Hadley Council on Aging
South Hadley Historical Society
South Hadley Jaycees
South Hadley Jayceettes
South Hadley Lions Club
Sohaywo
South Hadley Women's Club

In addition, the community is served by 11 churches, representing most all denominations.

Mount Holyoke College offers the community an array of lectures, art exhibits, craft shows, and musical and theatrical attractions.

Community Surveys
and
Results

WMHC has undertaken to ascertain the community's needs and interests by conducting a survey of community leaders and a survey of the community at large.

Personal interviews were conducted with 30 individuals who were considered community leaders by virtue of their participation in various organizations, civic, social and business. Persons recognized as "informal" leaders among their peers were also interviewed, especially on the campus of Mount Holyoke College. Just over half of the surveys were conducted at Mount Holyoke College and the remainder were within the community of South Hadley. WMHC has attempted to represent a cross-section of the community to properly assess the racial/minority composition of our listeners. This has been important within the college community mainly, since the percentage of minority groups in South Hadley is extremely small.

All community leader interviews were conducted by face to face meetings with a member of the Community Ascertainment Staff of WMHC, led by management of the station. For both the community leader and public-at-large interviews, printed forms were used to ensure consistency in presenting the survey. The question asked of all interviewed was "What do you see as the most important concerns and needs facing the community in which you live and/or the organizations in which you are involved?". All responses were recorded on standardized forms. Each community leader form contained the name of the person interviewed, his/her position in the community or organization, the date of the interview and the name of the interviewer. The following is a list of those interviewed:

Mount Holyoke College Community

Jean Osachuk	ARA Chairwoman
Elizabeth Kennan	President,Mount Holyoke College
Nancy Lee	Campus Gold/Girl Scout Org.
Felix Wilson*	Afro-American Club
Leslie Strauss	Mass PIRG (Public Interest Research Group)
Cathy Kibbe	Pres. Student Gov't Assoc.
Lisa Bartilucci	President of Elliot House
Dr. Alice Shaner, M.D.	physician/Alcohol Awareness
Vincent Ferraro	Professor, Dept. of Politics
June Millington	President Outing Club
Priscilla Painton	Editor in Chief, Choragos
Stanley Bower	Chief Security Officer
Ann Messersmith	Station manager, WMHC
Pauline Keener	Physical Education Prof.
Tui Li *	Asian Group
Sandra Williams	Women's Center

South Hadley, Other

Henry Decker	Chief of Police
Mrs. Gerald Hoar	Pres. South Hadley Women's club
Romeo Grenier	owner Odessey Bookstore
Mrs. Willaim Cushwa	First Congretional Church-secretary
Carol Brunelle	manager Chanticleer Restaurant
Everett Reed	Secretary Chamber of Commerce
Mrs. Ralph Warren	owner of College Inn
Mr. John Cannon	Owner Cannon's Pharmacy
Mr. Thomas Casey	Lion's Club member

Sally Williams	Head of "Friend's of the Elderly"
Mary Young	writer, Valley Advocate
Mrs. Levitson	Director of town library
Beth Anne Chernichowski	Director of Skinner Museum
Barbara Eckman	Vice Pres, Hampshire National Bank

(* indicates minority status)

The second half of the ascertainment was a survey of the community-at-large. The seven member staff of WMHC conducted 130 telephone interviews at random selection. Each member of the staff randomly selected, through a rather detailed process, phone numbers within a specific section of the community telephone directory based on an alphabetic system. All survey responses were recorded on a standard form which included such information as the name and age of the individual and the date and time of contact. The surveys were conducted in October, 1979. Age distribution of the randomly selected community respondents was as follows:

under 15	3
15-19	37
20-24	34
25-34	11
35-44	12
45-54	12
55-64	8
65 +	10
refused	3

Before mention of the ascertainment results, it is necessary to look at the function of WMHC within the South Hadley community. The campus of Mount Holyoke College is the center of WMHC's listening area. It is important to note that Mount Holyoke is

a womens college of 1900 students. Therefore the main focus of attention from WMHC is to service the college community. Outside of the campus, the South Hadley community at large, in the past, has not been very aware of WMHC and therefore interaction between the two has been minimal. The management of WMHC hopes to take action to change this in the future. The ascertainment has increased our awareness of the community and the importance of interaction with it for the benefit of both the college and the town residents. The ascertainment results do reflect the concerns of both the college and surrounding community. Due to our present isolation (in terms of involvement) from the resident community, most of the prominent concerns WMHC hopes to deal with are those concerning the Mount Holyoke College community. As the relationship between the town and college changes in the future, programming at WMHC will also develop and take a new direction.

The ascertainment by WMHC of community leaders and the general public reveals the following concerns:

1. Security on campus- Students have expressed great concern over incidents of harassment and they feel campus security needs to be reviewed and improved.
2. Student Apathy- Students have expressed great concern that many of their peers fail to take advantage of a wide range of opportunities in their college environment because they are too "academic-minded". Lack of interest in issues that call for social responsibility.
3. Energy Conservation- Concern over the energy crisis, available resources and alternatives for energy sources.

4. Racial Disconten

5. Communication Problems- a)Between college and town
   b)Within college community-students and administration.

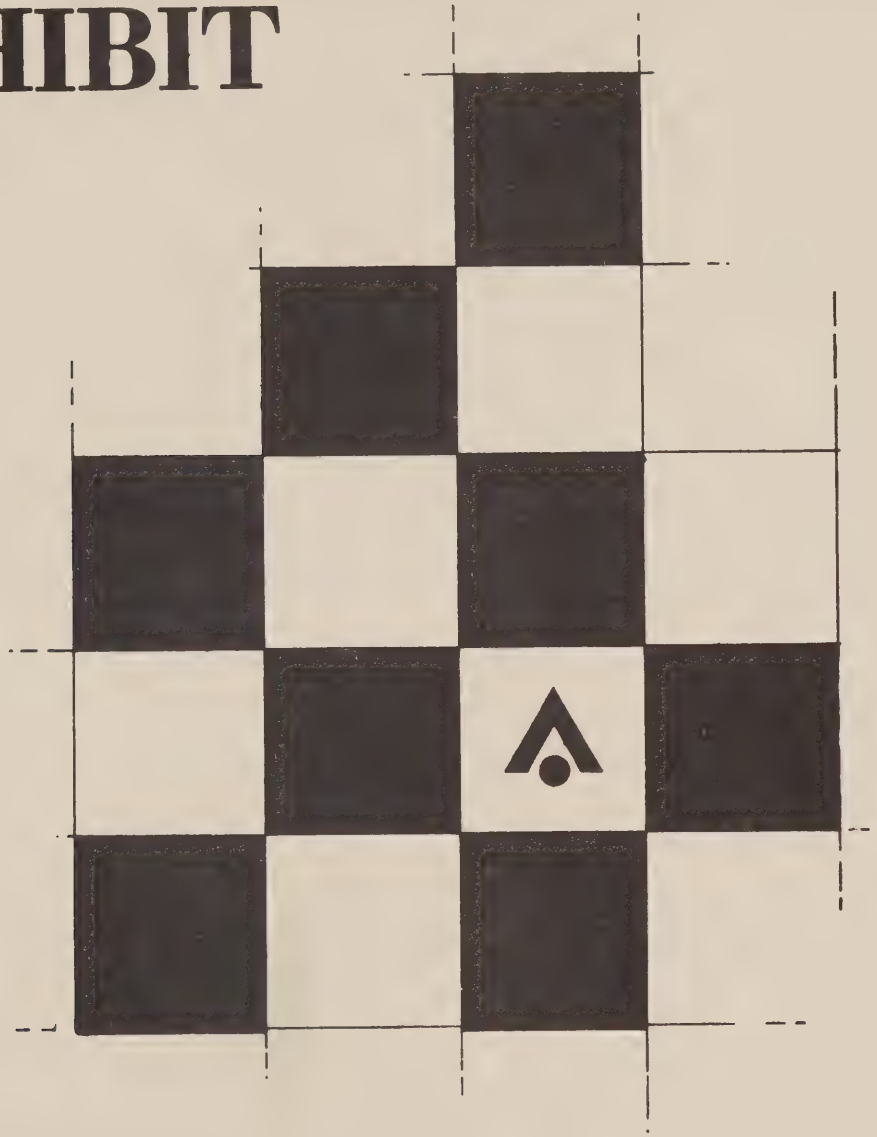
6. Problems arising from an all women's college and its needs

7. Taxes are too high

8. Community school system needs improvement

All ascertainment surveys are on file at WMHC located in Mary Woolley Hall, Mount Holyoke College and are available for the public to read.

ENGINEERING EXHIBIT



WMHC RADIO

EDUCATIONAL FM ASSOCIATES
19 Bolas Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200

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FCC Form 340 — FEDERAL COMMUNICATIONS COMMISSION — Section V-B

FM ENGINEERING DATA

Name of applicant: President and Trustees of Mount Holyoke College

FOR COMMISSION USE ONLY
File No.

1. Purpose of authorization applied for:
☐ Construct a new station
☒ Make changes in authorized radio station
If this is not for a new station, summarize briefly the nature of the changes proposed.
Increase effective radiated power to 100 watts.

2. Facilities requested

Frequency	Transmitter power output
91.5 MHz FM Channel 218A	56 watts

3. Proposed transmitter location

State	County	City
Massachusetts	Hampshire	South Hadley

Street Address (or other identification)
Mary E. Woolley Hall on the Campus of Mount Holyoke College

Remote control point location

State	City or town
Massachusetts	South Hadley

Street Address (or other identification)
Mary E. Woolley Hall on the Campus of Mount Holyoke College

4. Proposed location of main studio

State	County
Massachusetts	Hampshire

City or town	Street Address
South Hadley	Mary E. Woolley Hall

Other studios proposed
None

5. Transmitter

Make: LPB, Inc.

Type No.	Rated Power
FM-150SS	150 watts

(If the above transmitter has not been accepted for licensing by the F.C.C., attach as N/A a complete showing of transmitter details. Showing should include schematic diagram and full details of frequency control. If changes are to be made in licensed transmitter include schematic diagram and give full details of change.)

6. Transmission line proposed to supply power to the antenna from the transmitter

Make	Type No.	Description
Heliax	HJ2-50	air coax

Size (nominal transverse dimension) in inches	Length in feet	Rated efficiency in percent for this length
3/8 inch	75 ft.	87.0%

7a. Antenna structure

Is the proposed construction in the immediate vicinity or does it serve to modify the construction of any standard broadcast station, FM broadcast station, television broadcast station, or other class of radio station? ☐ Yes ☒ No
If "Yes", attach as N/A complete engineering data thereon.

Submit as On File a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features.

Overall height in feet above ground. (Without obstruction lighting)	Overall height in feet above mean sea level. (Without obstruction lighting)
94 feet	309 feet

Overall height in feet above ground. (With obstruction lighting)	Overall height in feet above mean sea level. (With obstruction lighting)
NO LIGHTING REQUIRED	

Height of antenna radiation center in feet above mean sea level.
294 feet

Geographical Coordinates of Antenna (To nearest second)
North Latitude: 42° 15' 12"
West Longitude: 72° 34' 40"

b. Antenna data

Make	Type No. or description	No. of sections
CCA Electronics	6812-4	4

Effective free space field intensity at one mile in mv/m for one kilowatt antenna input power	Antenna field gain	Antenna power gain
198 mv/m	1.43	2.05

Is horizontal polorization proposed? ☒ Yes ☐ No
If "No", attach as N/A complete engineering data on the antenna and the effective radiated power proposed.

Is directional antenna proposed? ☐ Yes ☒ No
If "Yes", attach as N/A complete engineering data thereon.

8. If this is a major environmental action submit as N/A a sufficient number of aerial photographs taken in clear weather at appropriate altitudes and angles to show the nature of the surrounding terrain in the vicinity of the proposed transmitter site. The photographs must be marked so as to show compass directions. Photographs taken in eight different directions from an elevated position on the ground will be acceptable in lieu of the aerial photographs if the area can be clearly shown. Give date photographs were taken.

FCC Form 340 — ENGINEERING DATA — Section V-B, page 2

9. Proposed Operation

Transmitter power output in kilowatts	Power dissipation within transmission line in kilowatts
0.056 kw	0.007 kw
Antenna input power in kilowatts	**Effected radiated power in kilowatts**
0.049 kw	0.100 kw

10. Modulation monitor

Make	Type No.
Belar	FMM-1

11. (a) Attach as Figure 1-1 a map(s) (topographic where obtainable, such as U. S. Geological Survey quadrangles) within 15 miles of the proposed transmitter location. In addition the following will be indicated:

(1) Proposed transmitter and main studio locations accurately plotted;

(2) Transmitter location and call letters of all known radio stations (except amateur) and the location of established commercial and government receiving stations within 2 miles of the proposed transmitter location;

(3) Character of the area within 2 miles of transmitter location, suitably designated as to residential, business, industrial, and rural nature;

(4) At least eight radials each extending to a distance of ten or more miles from the proposed transmitter location.

(b) Attach as Figure 1-4 profile graphs for the radials in a (4) above. Each graph shall show the elevation of the antenna radiation center. Identify each graph by its bearing from the proposed transmitter location. Direction true north shall be zero azimuth and angles measured clockwise. Show source of topographical data on each. Show scale of miles.

12. From the profile graphs in 11(b), for the eight mile distance between two and ten miles from the proposed transmitter location, and in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules, supply the following tabulation of data: (If proposed location is adjacent to the sea coast or the Great Lakes omit from this tabulation all radials which lie over water substantially the entire distance between two miles from the proposed transmitter location and the predicted 50 microvolt per meter contour.)

Radial bearing (degrees true)	Average elevation of radial (2-10 mi.) in feet above mean sea level	Height in feet of antenna radiation center above average elevation of radial (2-10-mi.)	Predicted distance in miles to the 60 dbu contour	Predicted distance in miles to the 40 dbu contour
0	230 feet	+ 64 feet	3.6 mi.	11.6 mi.
45	424	-130	3.6	11.6
90	408	-114	3.6	11.6
135	245	+ 49	3.6	11.6
180	202	+ 92	3.6	11.6
225	326	- 32	3.6	11.6
270	417	-123	3.6	11.6
315	245	+ 49	3.6	11.6
Antenna height above average terrain (Average of above listed heights)		- 18 feet		

13. Environmental statement, See Part 1, Subpart I of the rules.

Would a Commission grant of your application be a major action as defined by Section 1.1305 of the Commission's Rules?

☐ YES If yes, submit a N/A the required statement in accordance with Section 1.311 of the Commission's Rules.

☒ NO If no, explain briefly. No change proposed in existing antenna system.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Date February 7, 1979

Signature Edward F. Perry, Jr.

(Check appropriate box)

☐ Technical Director ☐ Chief Operator

☐ Registered Professional Engineer ☐ Other (specify)

☒ Consulting Engineer

Address Box AA
(Include ZIP Code)
Duxbury, MA 02332

Telephone No. (617) 585-9200
(Area Code)

Section 1

GENERAL INFORMATION

1-1 INTRODUCTION

This report was prepared by Educational FM Associates to support a request by the President and Trustees of Mount Holyoke College, licensee of Class D Educational FM Broadcast Station WMHC in South Hadley, Massachusetts, for an increase in the effective radiated power of Station WMHC. This report contains all information required by Section V-B of FCC Form 340. Since no change in the existing authorized antenna system is proposed, no Section V-G data or exhibits are included within this report. However, this information is on file with the Commission as part of an application for a Construction Permit to change the WMHC antenna site, tendered in March 1976, which is hereby incorporated by reference into this report.

1-2 FACILITIES REQUESTED

WMHC seeks to increase its effective radiated power to 100 watts at an antenna height 18 feet below average terrain. This application proposes no change in the antenna or transmitter site presently authorized.

1-3 ANTENNA INFORMATION

To achieve the proposed 100-watt effective radiated power, a 150-watt linear amplifier and the existing 10-watt transmitter will be employed in conjunction with the existing WMHC four-bay circularly polarized transmitting antenna which has a power gain of 3.12 db. Subtracting the 0.605 db of loss encountered in the existing transmission line results in an antenna system gain of 2.515 db. Referenced to a transmitter output of 56 watts, this loss figure produces an effective radiated power of 100 watts.

1-4 DETERMINATION OF ANTENNA HEIGHT ABOVE AVERAGE TERRAIN

Average elevation of the terrain surrounding the transmitter site was determined by means of procedures prescribed in Paragraph 73.31(d) of the Commission's Rules. Eight radials, one for every 45 degrees of horizontal azimuth, extending ten miles from the proposed antenna site were examined and the topographical data contained thereon charted on profile graphs, one of which pertains to each radial. Measured radials are shown on Figure 1-2 which also illustrates the location of the proposed 60 dbu contour. The following 7.5 Minute United States Coast and Geodetic Topographic Survey Quadrangles for the South Hadley area, submitted as Figure 1-3 in this Engineering Exhibit, were used to read elevations.

Map	Radials in ^{o}True
Mount Holyoke, MA	0, 45, 90, 135, 180, 225, 270, 315
Mount Toby, MA	0
Belchertown, MA	45, 90
Springfield North, MA	135, 180, 225
Ludlow, MA	135
Springfield South, MA	180
Mount Tom, MA	225
Easthampton, MA	270, 315
Westhampton, MA	270

Terrain features for a distance of ten miles along each radial were examined and data for areas between two and ten miles from the transmitter site was used to compute the average terrain elevation. Figure 1-4 depicts terrain on each radial. To ensure an accurate representation, 81 equidistant points of elevation were selected on each radial for distances between two and ten miles. Ten-foot contour intervals were used to read and define elevation points. Average terrain on the eight radials considered is 312 feet above mean sea level. The antenna is located on a 94-foot structure, the top of which is 309 feet above mean sea level. The antenna radiation center will be located 15 feet from the top of the tower, 294 feet above mean sea level, and 18 feet below average terrain.

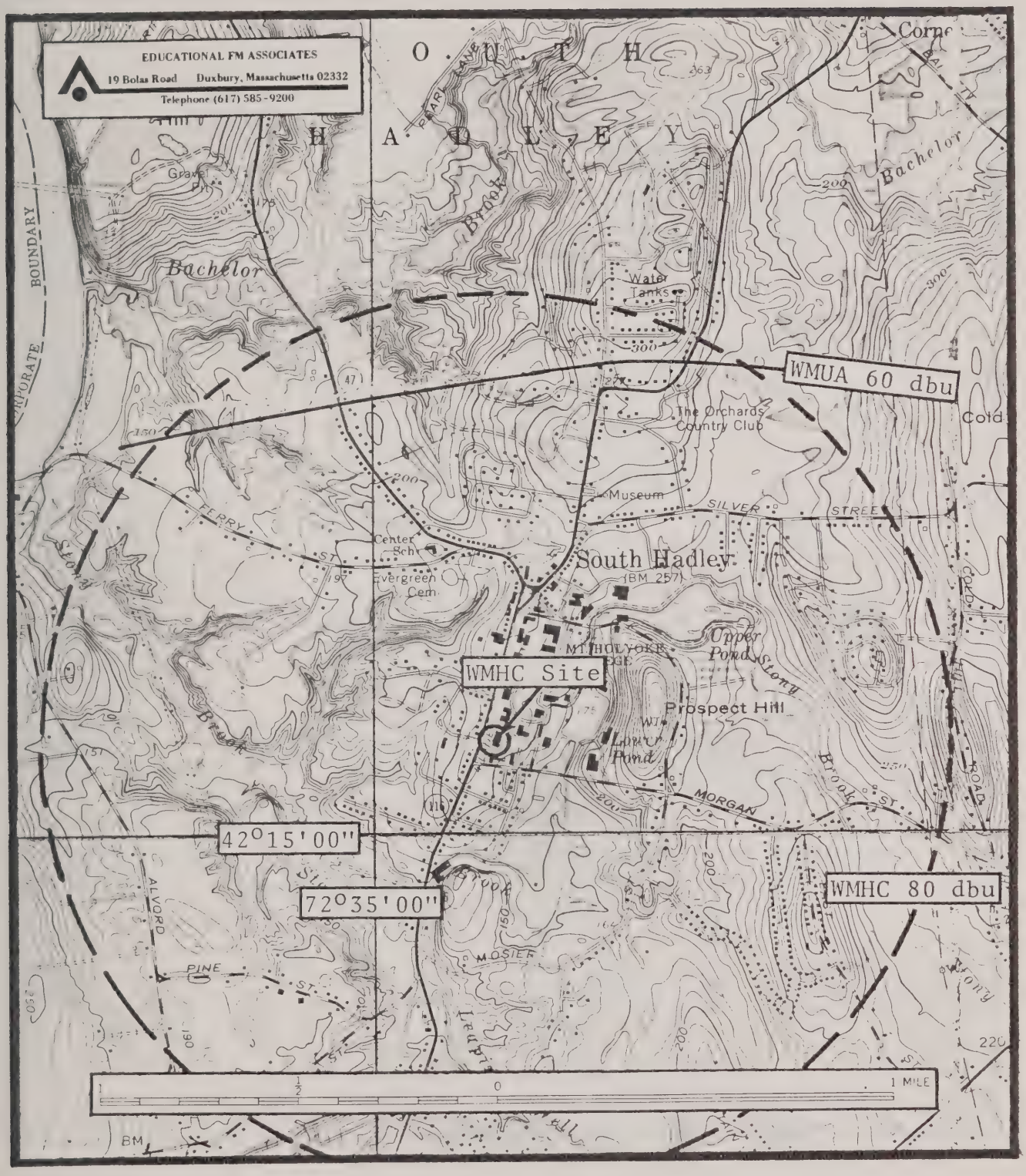
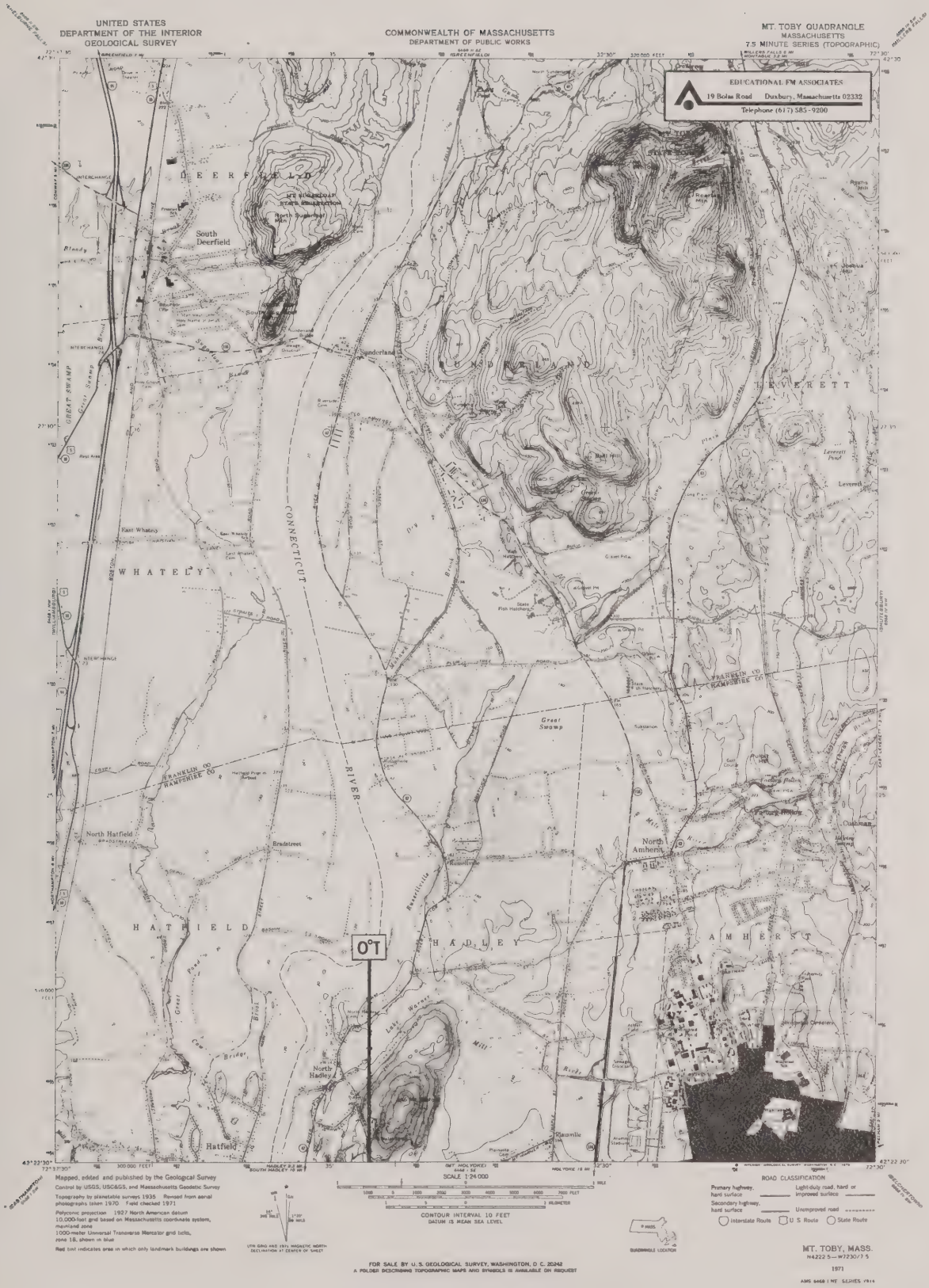


Figure 1-1. Location of Proposed Site Shown on a Composite of the Mt. Holyoke and Springfield North, MA, USCGS Quadrangle Maps.

Figure 1-2. Location of Radials Studied to Determine HAAT and Detailed Allocation Study

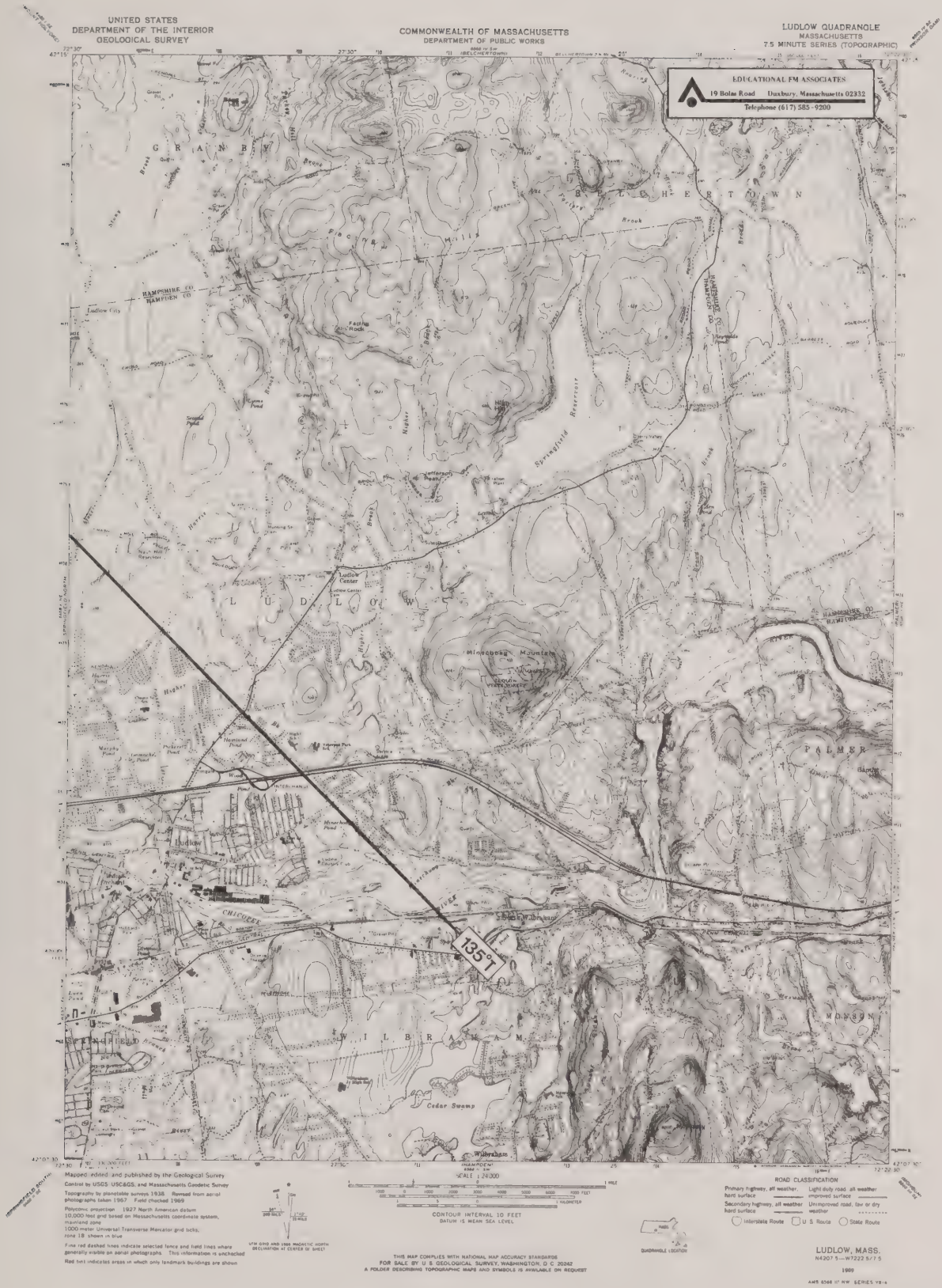
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MT. HOLYOKE QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Bolsa Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
0°T
45°T
90°T
135°T
180°T
225°T
270°T
315°T
Hatfield
HATFIELD
Radley
HADLEY
NORTHAMPTON
Hockanum
Hockanum Flat
Mount Warner
Mount Holyoke
South Hadley
Granby
CONNECTICUT RIVER
Mapped, edited and published by the Geological Survey
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
MT. HOLYOKE, MASS.
1964


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MT. TOBY QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Bolan Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
DEERFIELD
South Deerfield
Sunderland
LEVERETT
Leverett
WHATELY
East Whately
CONNECTICUT RIVER
Great Swamp
North Hatfield
Bradstreet
HATFIELD
HADLEY
North Hadley
Hatfield
North Amherst
AMHERST
0°T
Mapped, edited and published by the Geological Survey
Control by USGS, USC&GS, and Massachusetts Geodetic Survey
Topography by planetable surveys 1935 Revised from aerial photographs taken 1970 Field checked 1971
Polyconic projection 1927 North American datum
10,000-foot grid based on Massachusetts coordinate system, mainland zone
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue
Red tint indicates area in which only landmark buildings are shown
SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
Primary highway, hard surface
Light-duty road, hard or improved surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route
MT. TOBY, MASS.
N4222.5—W7230/7.5
1971
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

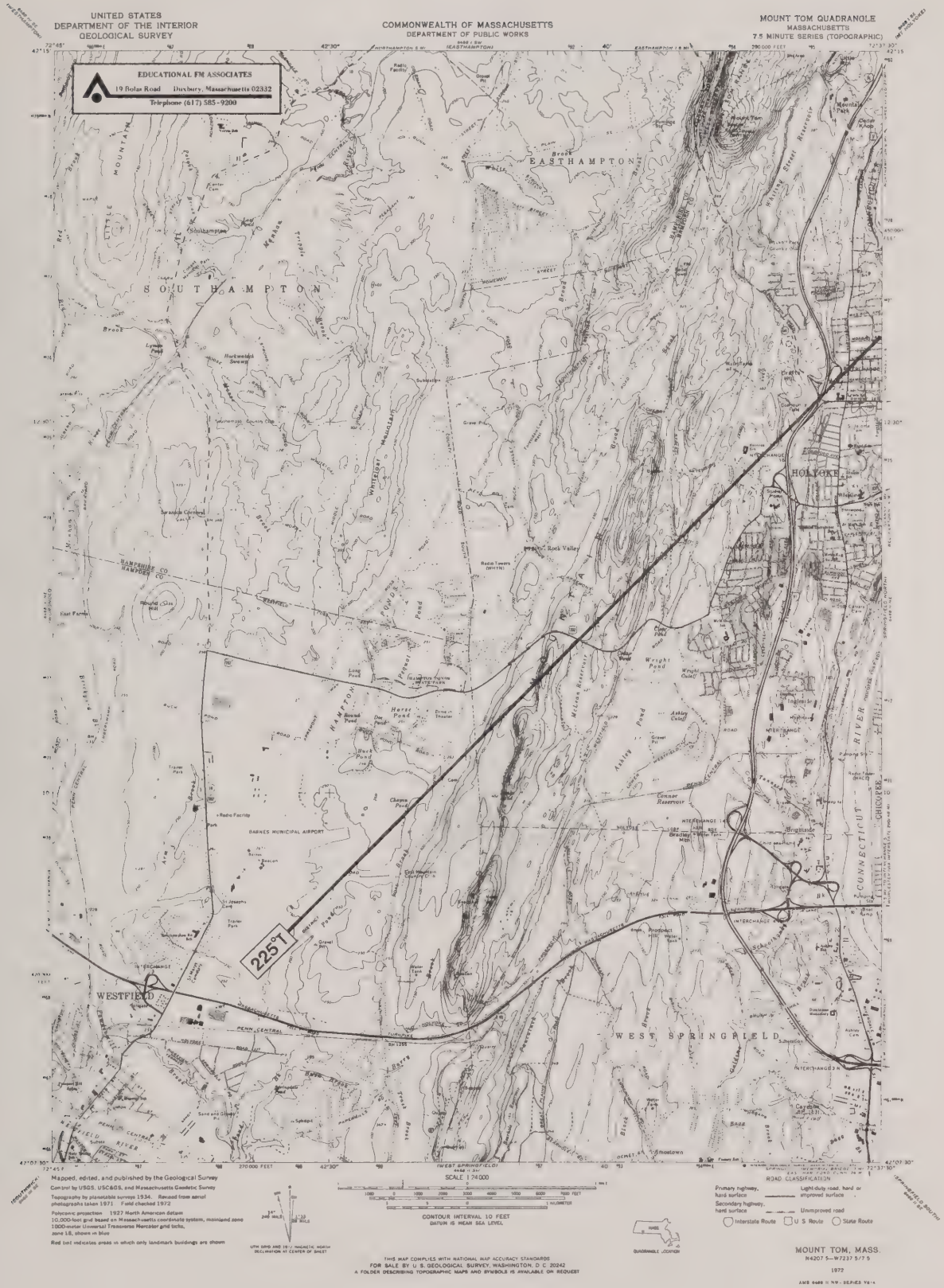
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
BELCHERTOWN QUADRANGLE
MASSACHUSETTS-HAMPSHIRE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Boina Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
45°T
90°T
Mapped, edited, and published by the Geological Survey
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
BELCHERTOWN, MASS.
1964

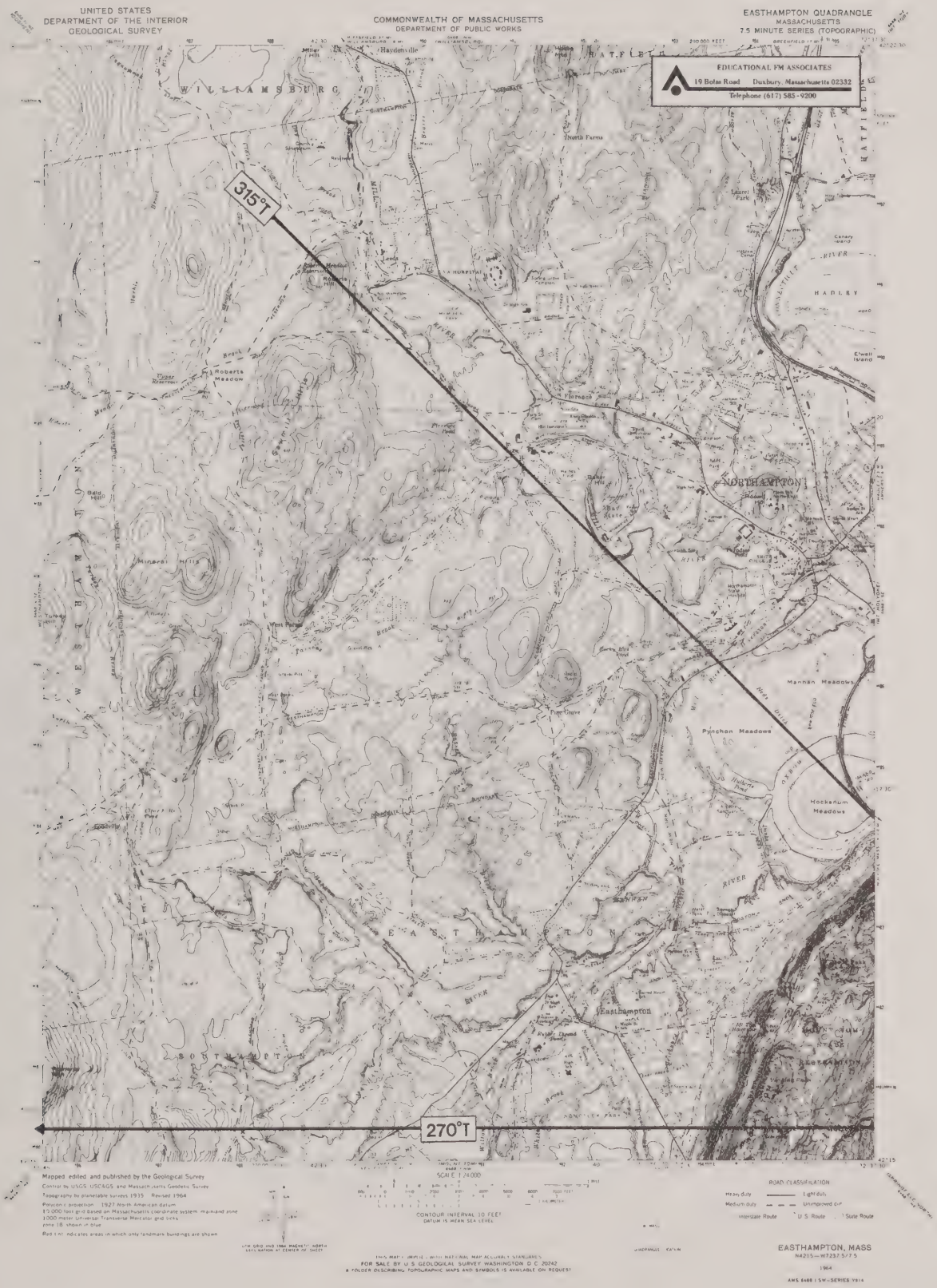
Figure
1-3

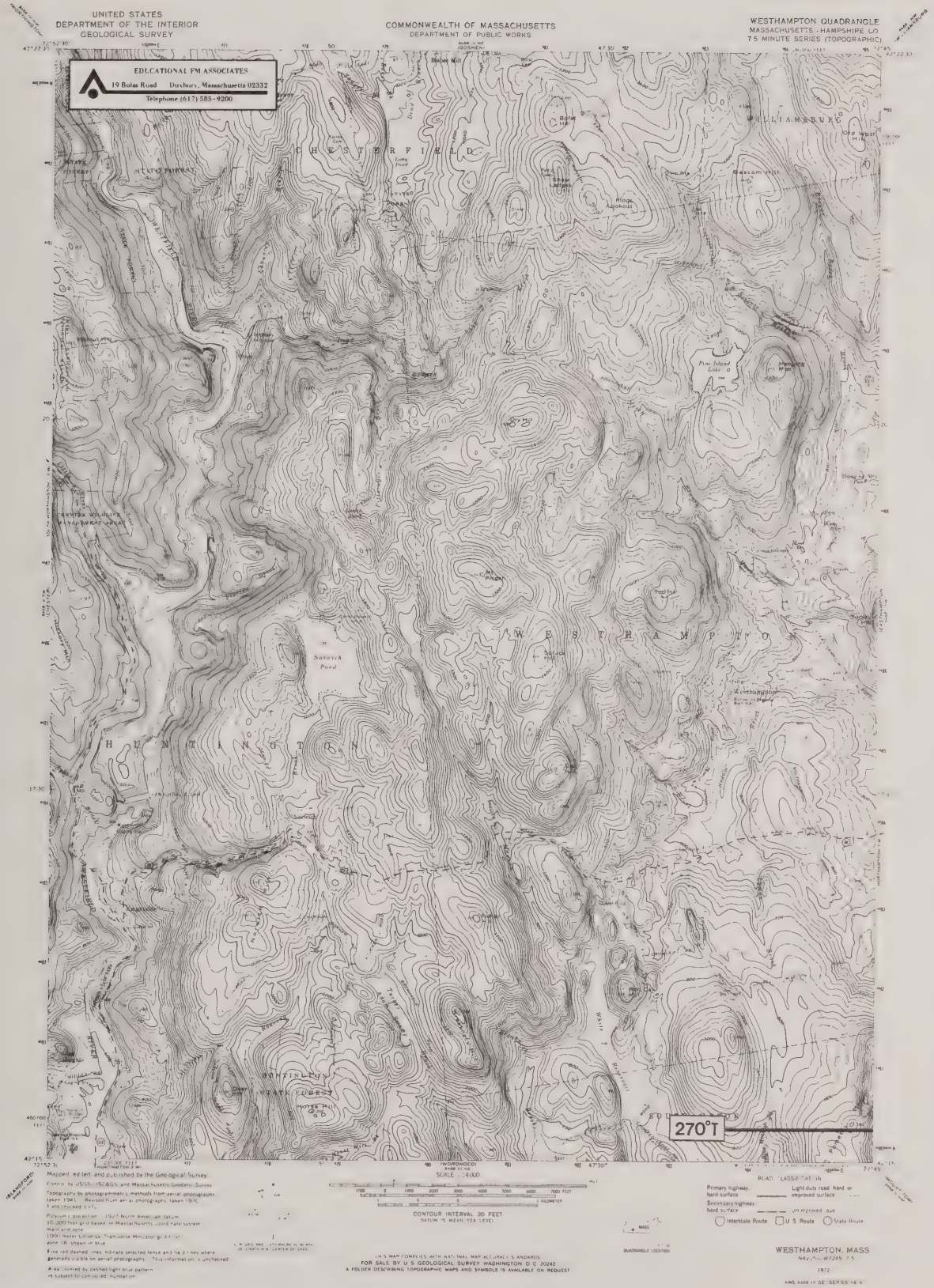
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SPRINGFIELD NORTH QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
225°T
135°T
180°T
SOUTH HADLEY
GRANBY
HOLYOKE
WESTOVER
AIR FORCE BASE
CHICOPEE
SPRINGFIELD
CONNECTICUT RIVER
EDUCATIONAL FM ASSOCIATES
19 Bolan Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
SPRINGFIELD NORTH, MASS.


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
LUDLOW QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Bolas Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
135°T
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
LUDLOW, MASS.
1969

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
STATE OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SPRINGFIELD SOUTH QUADRANGLE
MASSACHUSETTS–CONNECTICUT
7 5 MINUTE SERIES (TOPOGRAPHIC)
180°T
WEST SPRINGFIELD
AGAWAM
CONNECTICUT RIVER
LONGMEADOW
EDUCATIONAL FM ASSOCIATES
19 Bolas Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
SPRINGFIELD SOUTH, MASS.–CONN.
N4200 – W7230/7 5
1958
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
ROAD CLASSIFICATION
Heavy duty
Light duty
Medium duty
Unimproved dirt
U S Route
State Route
Mapped, edited and published by the Geological Survey
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U S GEOLOGICAL SURVEY, WASHINGTON, D C 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS S AVAILABLE ON REQUEST


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MOUNT TOM QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Polar Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
SOUTHAMPTON
EASTHAMPTON
HOLYOKE
WESTFIELD
WEST SPRINGFIELD
CHICOPEE
CONNECTICUT RIVER
225T
BARNES MUNICIPAL AIRPORT
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
MOUNT TOM, MASS.
1972


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
EASTHAMPTON QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Bolan Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
315°T
270°T
WILLIAMSBURG
NORTHAMPTON
EASTHAMPTON
HADLEY
HATFIELD
Haydenville
North Farms
Florence
Roberts Meadow
Mannan Meadows
Pynchon Meadows
Hockanum Meadows
Easthampton
Mapped, edited, and published by the Geological Survey
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
EASTHAMPTON, MASS
1964


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
WESTHAMPTON QUADRANGLE
MASSACHUSETTS-HAMPSHIRE CO
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
19 Bolas Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
CHESTERFIELD
WILLIAMSBURG
WESTHAMPTON
HUNTINGTON
270°T
SCALE 1:24000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
WESTHAMPTON, MASS
1972

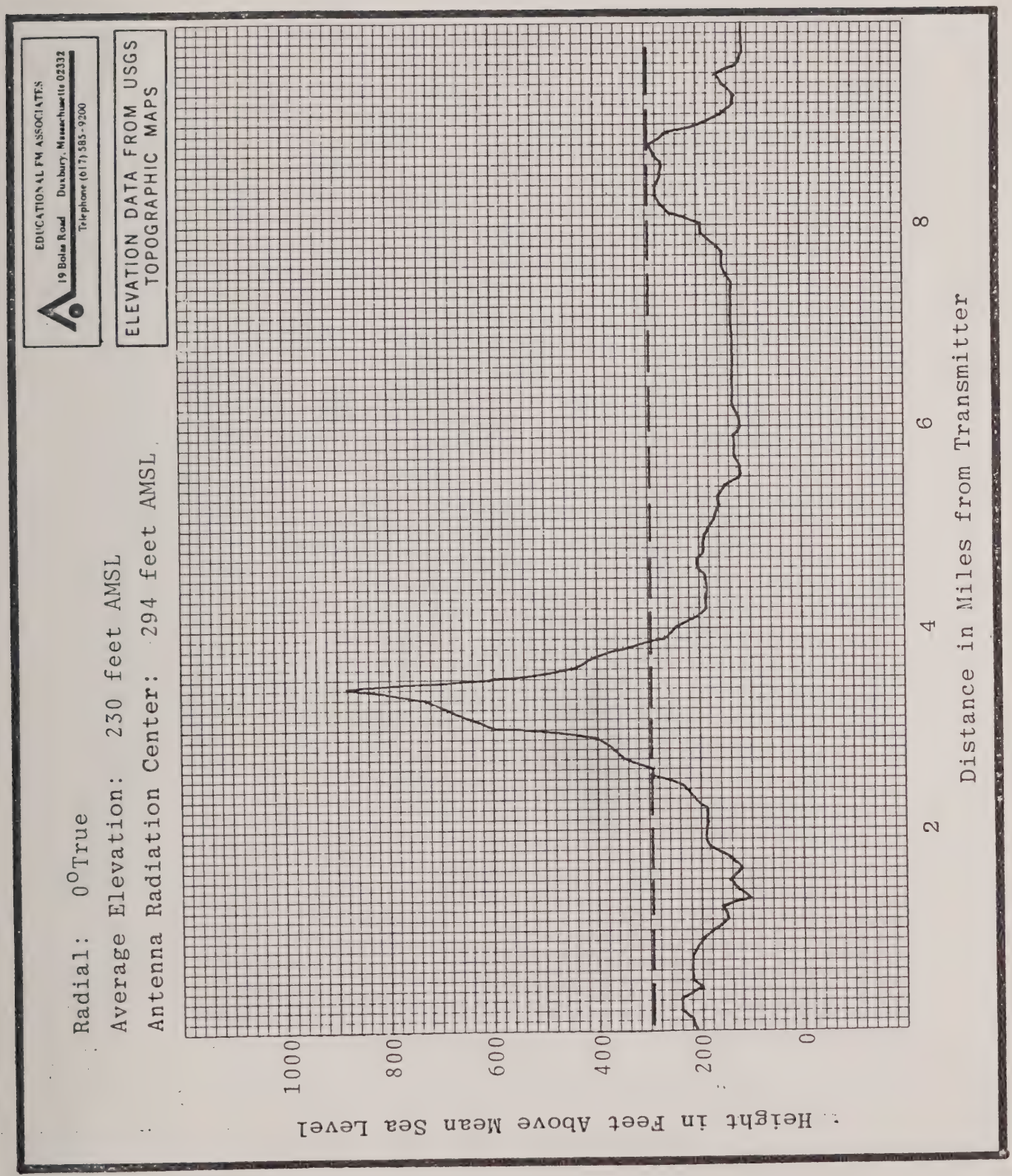


Figure 1-4. Profile Graphs of Radials Studied

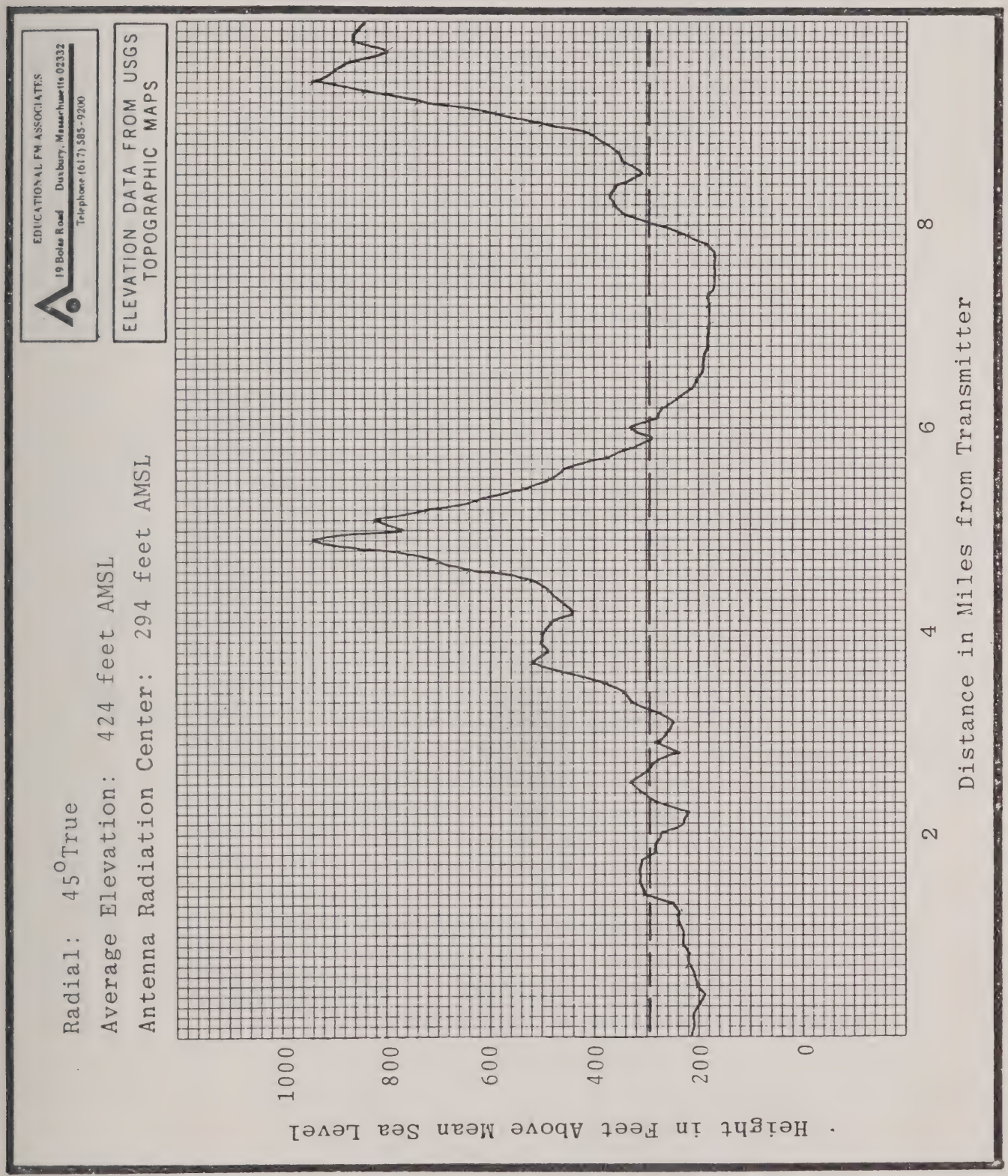


Figure 1-4. Profile Graphs of Radials Studied

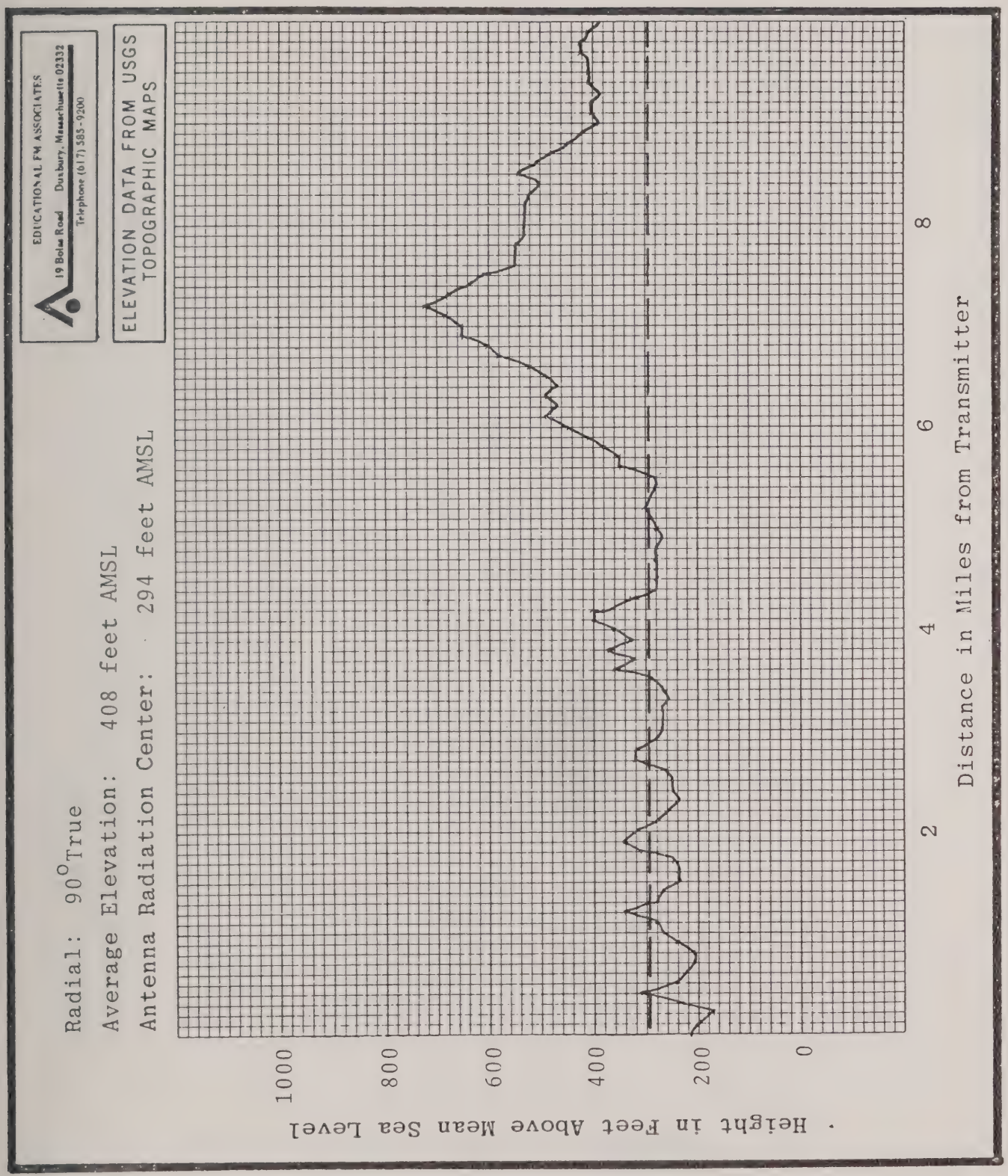


Figure 1-4. Profile Graphs of Radials Studied

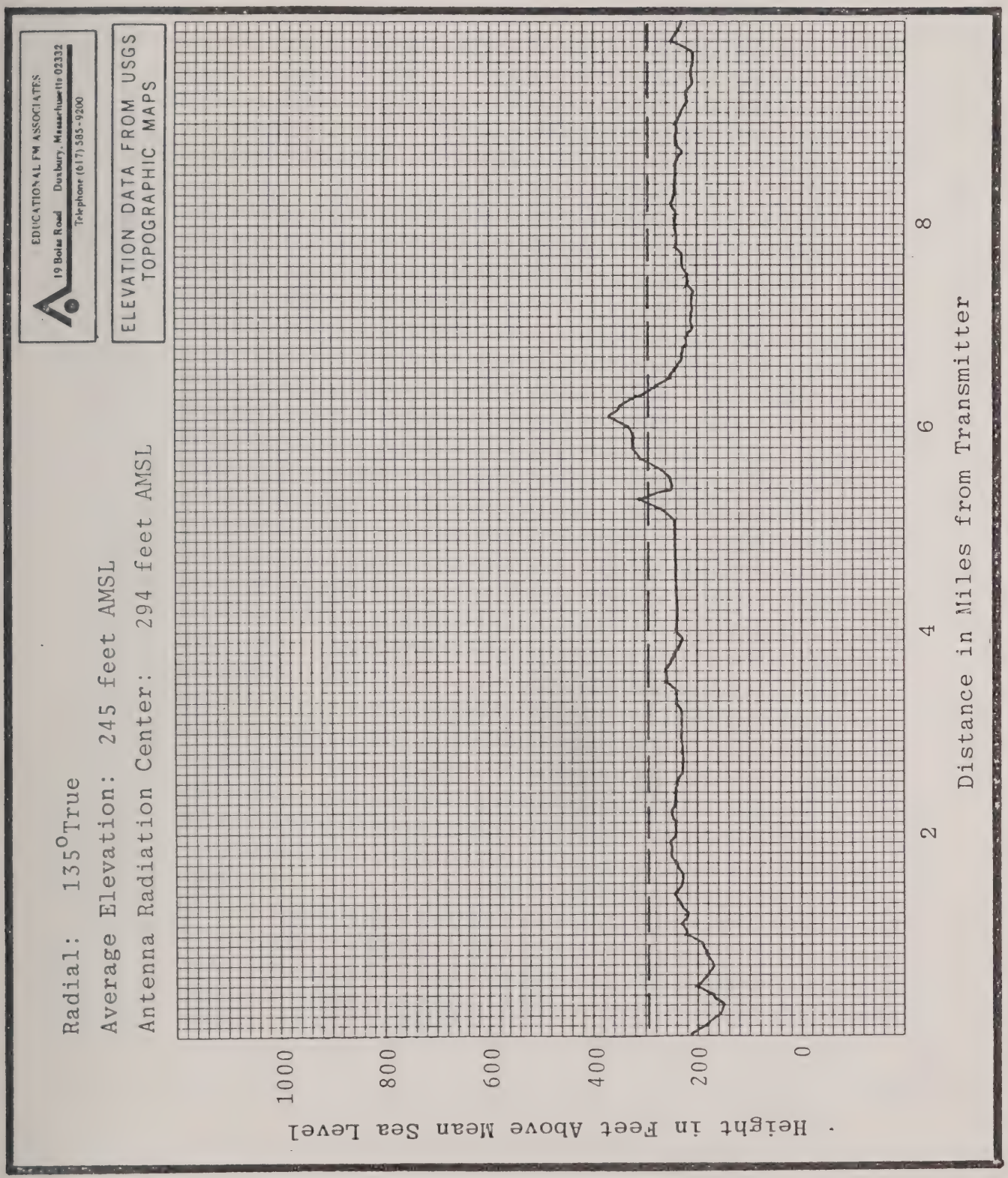


Figure 1-4. Profile Graphs of Radials Studied

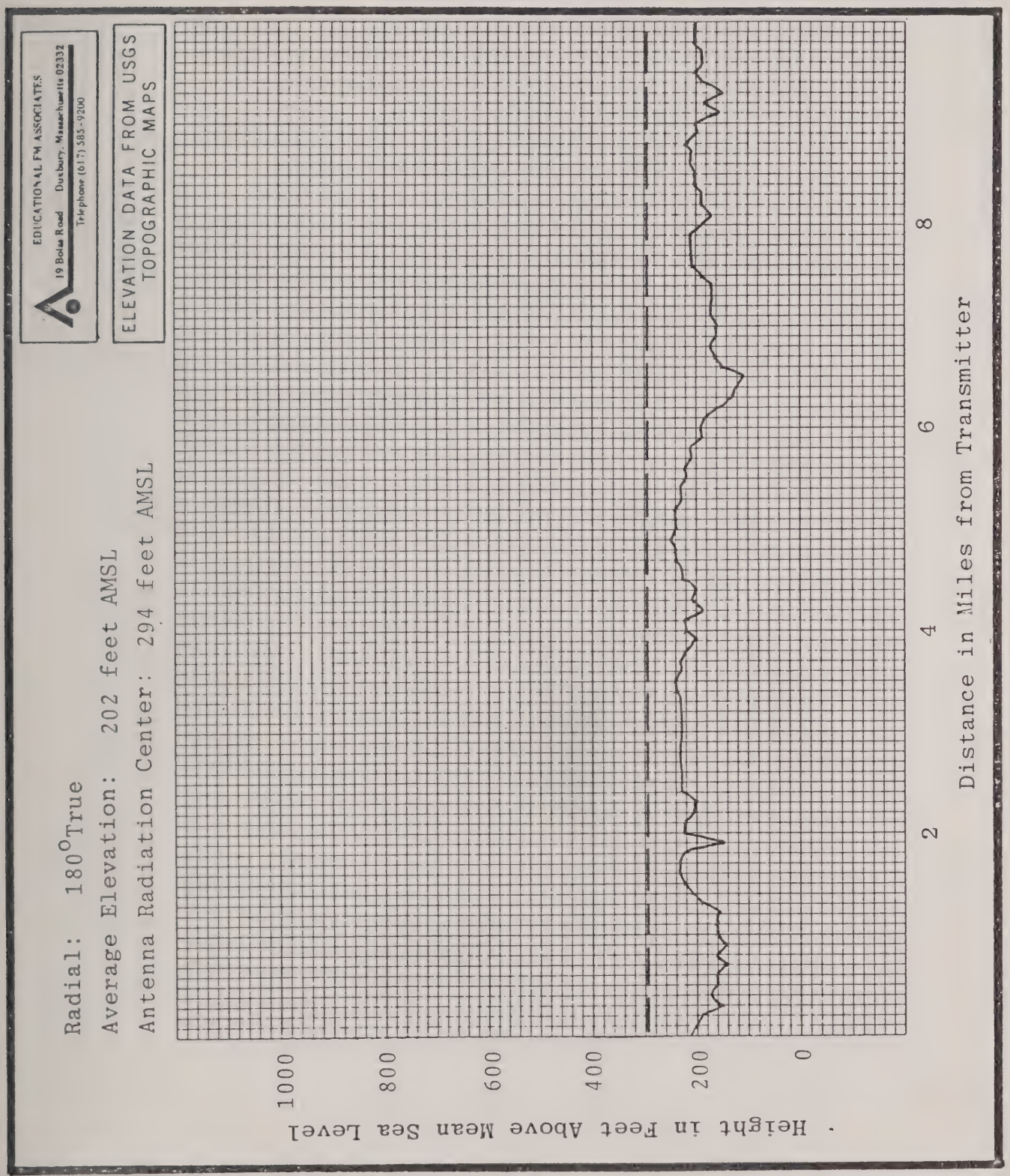


Figure 1-4. Profile Graphs of Radials Studied

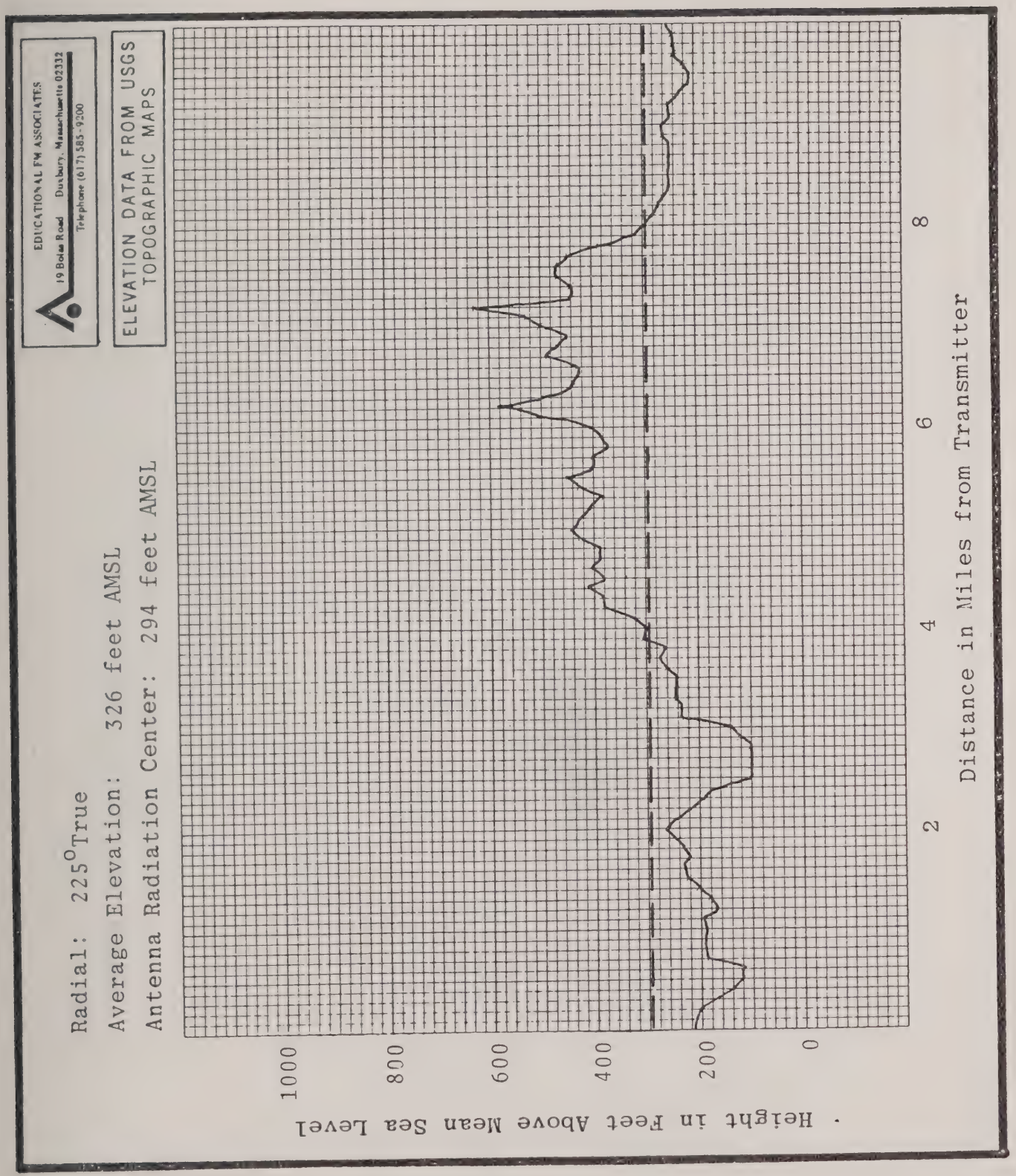


Figure 1-4. Profile Graphs of Radials Studied

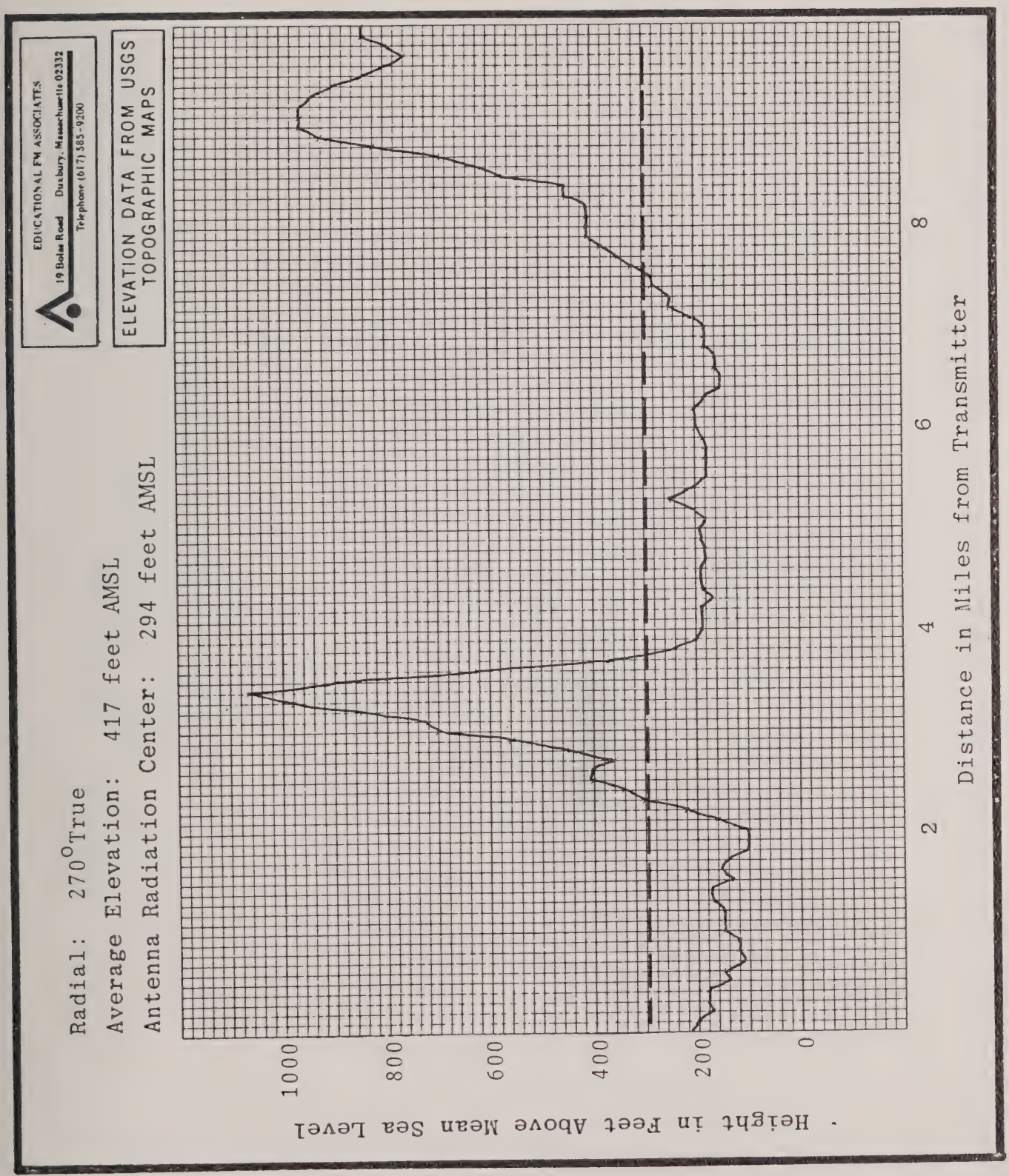


Figure 1-4. Profile Graphs of Radials Studied

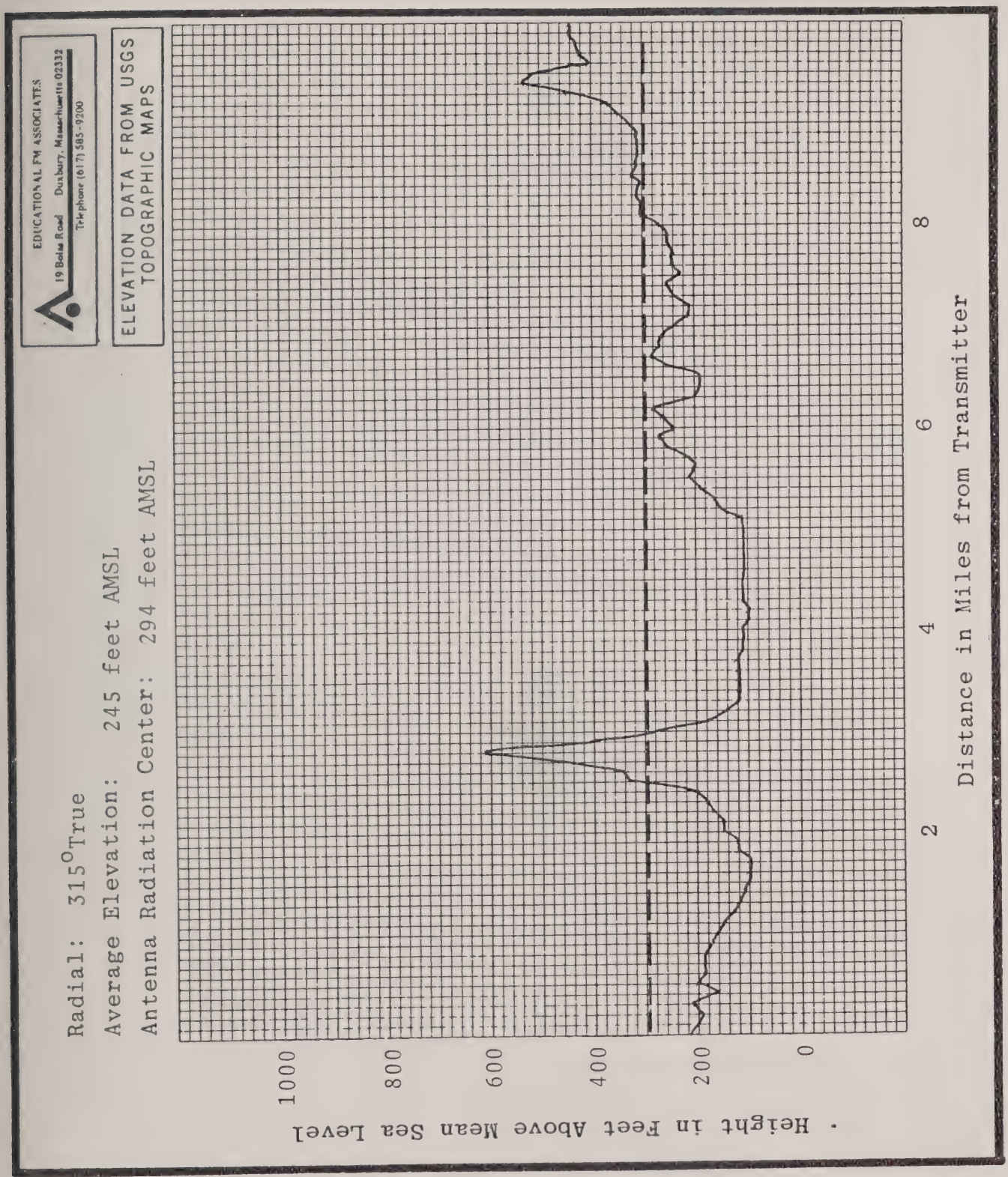


Figure 1-4. Profile Graphs of Radials Studied

Section 2

ALLOCATION STUDY

2-1 GENERAL INFORMATION

Locations of the pertinent service and interference contours were calculated as specified in Section 73.509 of the Rules of the Federal Communications Commission. Distance between facilities was obtained from measurements made on copies of the aeronautical charts of the area. All distances were verified using procedures detailed in Section 73.208(c) of the Commission's Rules. The published F(50,10) curves were used to locate interference contours which fell more than ten miles from the station involved. The F(50,50) curves were used to locate service contours and all other contours reaching less than ten miles. The F(50,10) curves do not depict distances less than ten miles; however, the F(50,10) and F(50,50) curves merge at the ten mile point. The FM curves adopted August 1, 1975, were utilized in all calculations. Terrain roughness calculations are not pertinent to Class D stations. No terrain roughness factor was applied in calculating other service and interference contours since the mandatory use of these procedures has been temporarily suspended by the Commission. When a facility under study was authorized greater than

Class D facilities, the actual height of the antenna above average terrain was taken into account when locating signal contours. When, as in most cases, the direct radial from the station under study to the proposed site was not one of those for which a height above average terrain was determined, the average terrain for the direct bearing between stations was interpolated arithmetically from data given for radials on either side. This procedure was not followed in the case of WMUA where that station's actual HAAT on the direct radial toward WMHC was determined through terrain analysis.

2-2 ALLOCATION STUDY

Table 2-1 lists facilities studied to determine that no objectionable interference will be created or received by the improved facilities proposed for Station WMHC. The required mileages shown are the minimums necessary to prevent overlap of service and interference contours of the proposed station and existing facilities and vice versa. The separation with respect to WMUA, Channel 216A in Amherst, MA, is slightly less than that required to prevent overlap of the proposed 80 dbu interference contour and the WMUA 60 dbu service contour. The interference which results is quantified on Figure 1-1 and is clearly "de minimus". Paragraph 2-2a explains the situation in detail.

Table 2-1

Detailed Allocation Study

Channel	Station	Location	Required Distance	Actual Distance
216A	WMUA	Amherst, MA	10.15 miles[1]	10.0 miles
217A	WCWL	Stockbridge, MA	19.60 miles[2]	36.9 miles
217A	WCUW	Worcester, MA	23.10 miles[3]	39.8 miles
217A	WWUH	West Hartford, CT	29.10 miles[4]	35.1 miles
218D	WSKB	Westfield, MA	13.60 miles[5]	13.8 miles
218B	WRPI	Troy, NY	55.60 miles[6]	64.8 miles
219B	WHUS	Storrs, CT	32.00 miles[7]	32.0 miles
220A	WAIC	Springfield, MA	9.00 miles[8]	9.8 miles
271B	WAQY	Springfield, MA	9.51 miles[9]	13.4 miles

[1]Please see Paragraph 2-2a for allocation data.

[2]Based on worst case for WCWL: 500 watts ERP at 400 feet HAAT.

[3]Based on worst case for WCUW: 1.0 kw ERP at 400 feet HAAT.

[4]Based on worst case for WWUH: 1.0 kw at 732 feet HAAT.

[5]Based on a 2.0 mile 60 dbu service radius for Class D station WSKB.

[6]Based on 10 kw at 133 feet HAAT for WRPI on direct 116°T bearing toward WMHC.

[7]Based on worst case for WHUS: 3.16 kw ERP at 541 feet HAAT.

[8]Based on worst case for WAIC: 250 watts ERP at 300 feet HAAT.

[9]I.F. spacing required by the Commission's Rules.

a. WMUA - Amherst, Massachusetts. WMUA operates on Channel 216A with a power of 1.0 kilowatt at a site 10.0 miles from WMHC. The location of the WMUA service and interference contours were calculated on the basis of the data in the following table. The proposed 80 dbu service contour reaches 1.15 miles on bearings toward WMUA.

Table 2-1a

WMUA Contour Locations

Radial	Power	HAAT	60 dbu	80 dbu
180°T	1.0 kw	179 feet	8.50 miles	2.70 miles
192°T	1.0 kw	195 feet	8.85 miles	2.80 miles
197°T*	1.0 kw	202 feet	9.00 miles	2.85 miles
202°T	1.0 kw	225 feet	9.40 miles	3.00 miles
225°T	1.0 kw	330 feet	11.50 miles	3.70 miles

*Direct radial toward WMHC

The height above average terrain figures for 180°T and 225°T for WMUA were taken from that station's power increase application. The height above average terrain for the direct 197°T radial was determined by an independent study of the terrain on those bearings from two to ten miles from the WMUA antenna. Average terrain based on 81 equally spaced points was determined to be 268 feet above mean sea level on this bearing. The WMUA antenna radiation center is 470 feet above mean sea level and 202 feet above average

terrain on the direct 197°T bearing. HAAT data for the 192°T and 202°T bearings from WMUA was interpolated arithmetically between the HAAT of the 197°T radial and the WMUA 180°T and 225°T radials respectively. WMUA is 10.0 miles from WMHC. The WMUA 60 dbu service contour extends 9.0 miles on a direct bearing toward the WMHC 80 dbu interference contour which reaches 1.15 miles. Therefore, the WMHC 80 dbu contour will overlap the WMUA 60 dbu contour by 0.15 mile or 792 feet. The interference area created to WMUA by WMHC, identified on Figure 1-2 and shown in greater detail on Figure 1-1. The interference area involves less than 0.3 square miles and represents less than one quareter of one percent of the total WMUA service contour.

2-3 REQUEST FOR WAIVER

WMHC respectfully requests a waiver of the appropriate provisions of Section 73.509 of the Commission's Rules to permit creation of a small amount of interference within the normally protected 60 dbu service contour of second-adjacent channel station WMUA in Amherst, Massachusetts. Grant of the requested waiver will serve the public interest for the following reasons:

a. THE INTERFERENCE AREA INVOLVED IS "DE MINIMUS".

The overlap area (only slightly larger than the actual interference area) is quantified in large scale on Figure 1-1 and

involves approximately 0.3 square mile. Most of the area affected consists of uninhabited woodland, fields, and orchards. The Commission has, in the past, accepted interference of roughly this magnitude as unobjectionable in cases in El Cerrito, California, and at Widener College in Chester, Pennsylvania.

b. Traditional methods for locating contours indicate the WMUA 60 dbu service contour would reach 9 miles toward WMHC. However, the Mount Holyoke Mountain Range which lies between the two stations represents an effective barrier to line of sight radio signals. As a result, WMUA renders no actual 60 dbu service to the South Hadley area. Figure 2-1 shows the Mount Holyoke Range on a profile graph of the direct radial from WMUA to WMHC.

c. WMHC, in seeking a power increase, is attempting to preserve its status as the only broadcast station in the community of South Hadley. For more than 20 years, WMHC has operated successfully as a Class D station and has always cooperated fully with the efforts of other stations to improve facilities. WMHC has twice changed frequency to accommodate other stations. In 1960 WMHC changed to Channel 214D to facilitate the construction of Class B station WFCR at Amherst, also licensed to the University of Massachusetts. In 1976 WMHC again changed frequency, this time to Channel 218 to permit the expansion of Station WTCC at Springfield Technical Community College from Class D to Class B facilities.

Now WMHC must improve its own facilities and requires a minor waiver to create a small amount of interference to WMUA, licensed to the University of Massachusetts. We submit that, all mitigating technical factors aside, WMHC's record of complete cooperation with other schools in efficiently developing the educational FM spectrum in Western Massachusetts merits favorable consideration of the waiver request.

d. While a directional antenna could be used to eliminate the need for the requested waiver, such an antenna is not economically feasible for a small station like WMHC. A directional antenna would cost WMHC a minimum of $2,000 which, coupled with the cost of other technical equipment required, would price a power increase out of reach. WMHC is one of the few broadcast stations in the country operated exclusively by women and has been an effective stimulus to launching many college trained women into careers in broadcast communications. Increasing employment of women in broadcasting is one of the Commission's pressing concerns and one which can be furthered by grant of the requested waiver.

2-4 ALLOCATION CONCLUSION

The improved facilities proposed by Station WMHC will not receive objectionable interference with respect to any existing or proposed broadcast station. Contingent on grant of the requested waiver, the facilities proposed herein are, therefore, in full compliance with all applicable Commission allocation rules.

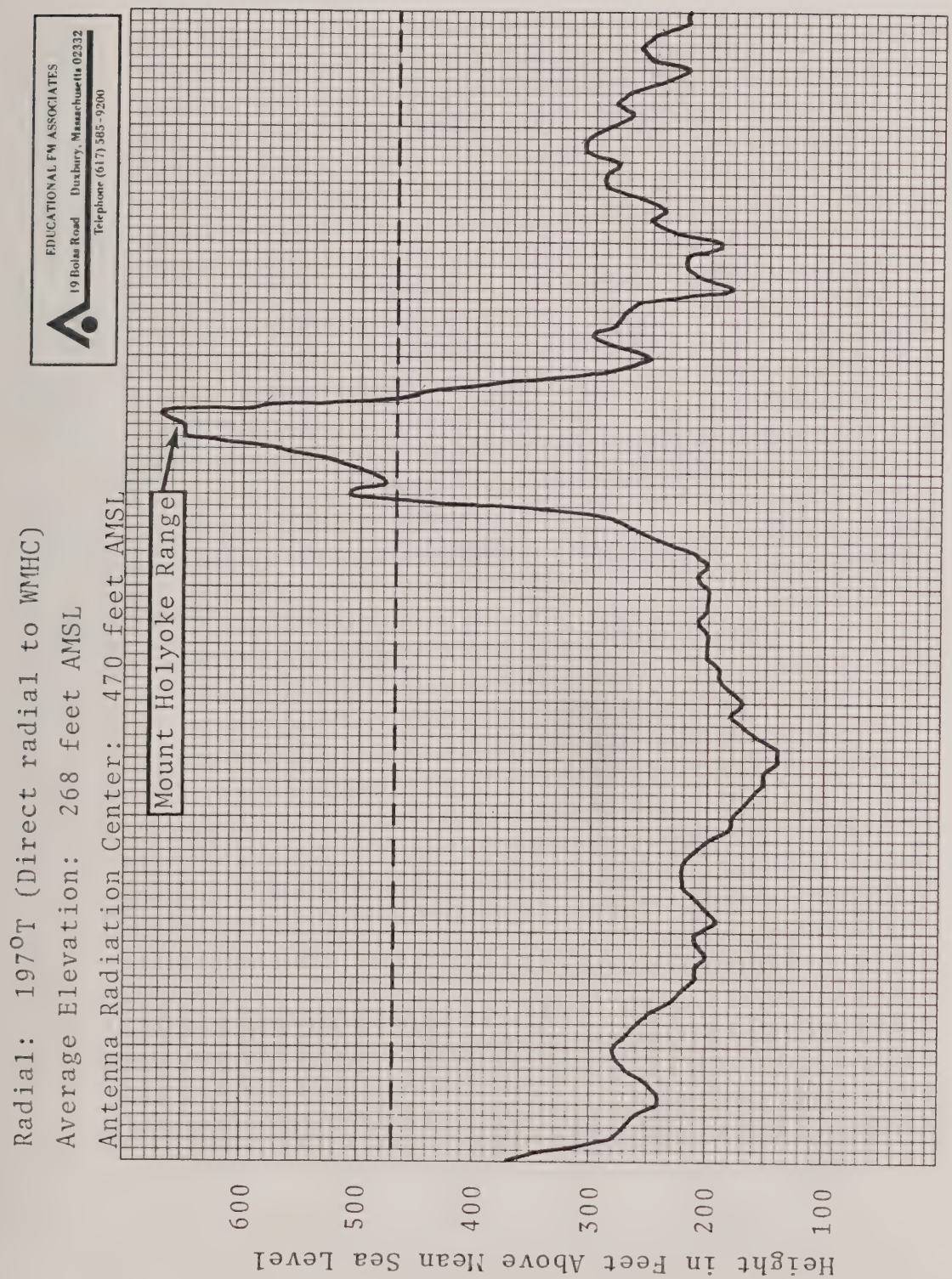


Figure 2-1. Profile Graph of Radial Studied

Section 3

STATEMENT IN LIEU OF FILING
SECTION V-G, FCC FORM 340

3-1 GENERAL

Since there will be no change in the existing antenna, its height or location, no Section V-G is being submitted as part of this report. However, all information required in this section is on file as part of an application by WMHC dated March 1976 for a construction permit to change transmitter site, which is hereby incorporated by reference into this report.

Application :

WORKING COPY

FCC Form 340
Mar 1977

Approved by GAO
B-180227(R0182)

FEDERAL COMMUNICATIONS COMMISSION

APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A NONCOMMERCIAL EDUCATIONAL TV, FM, OR STANDARD BROADCAST STATION

INSTRUCTIONS

A. This form is to be used only in applying for authority to construct a new noncommercial educational TV, FM, or Standard broadcast station or to make changes in an existing station. This form consists of this part, Section I, and the following sections:

Section II, Legal Qualifications of Broadcast Applicant
Section III, Financial Qualification of Broadcast Applicant
Section IV, Statement of Program Service of Broadcast Applicant
Section V-A, Standard Broadcast Engineering Data
Section V-B, FM Broadcast Engineering Data
Section V-C, Television Broadcast Engineering Data
Section V-G, Antenna and Site Information
Section VI, Equal Employment Opportunity Program

B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy of Section I. Prepare one additional copy (a total of four) of Section V-G and associated exhibits. File all the above with the Federal Communications Commission, Washington, D. C. 20554. APPLICANTS FILING FOR FINANCIAL ASSISTANCE FROM THE DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE (HEW) SHOULD SUBMIT THIS APPLICATION TO THE FCC AT LEAST 90 DAYS *PRIOR* TO FILING WITH HEW. Applicants filing with the FCC *after* this time should *not* expect FCC approval in time to receive HEW funding. Applicants should check with HEW for proper HEW filing dates. Applicants applying for funding from other government agencies should check with that agency *and* the FCC to determine filing deadlines for both that agency *and* the FCC.

C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Show date of preparation of each exhibit, antenna pattern, and map, and show date when each photograph was taken.

D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if an unincorporated association, the exact name of the association; if a governmental or public educational agency, the exact name of such agency. The applicant must notify the Commission of any change of address.

E. Information called for by this application which is already on file with the Commission *(except that called for in Section III which is more than 90 days old and in Section V-G)* need not be refiled in this application provided (1) the information is now on file in another application or FCC Form filed by or on behalf of this applicant; (2) the information is identified FULLY by reference to the file number (if any) the FCC form number, and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application all information, confidential or otherwise, contained in the application or other form referred to. The incorporated application or other form will thereafter, in its entirety, be open to the public. (See Section 1.526 of the Commission's Rules and Regulations, "Records to be maintained locally for public inspection by applicants, permittees, and licensees.")

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. Before filling out this application, the applicant should familiarize himself with the Communications Act of 1934, as amended, Parts 1, 2, 17, and 73 of the Commission's Rules and Regulations.

H. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

THIS BLOCK FOR COMMISSION USE ONLY

File No.

1. NAME OF APPLICANT *(See Instruction D)*
The President & Trustees of Mount Holyoke College

STREET ADDRESS
Mount Holyoke College

CITY: South Hadley | STATE: Mass | ZIP: 01075

2. NAME OF PERSON TO WHOM COMMUNICATIONS SHOULD BE SENT, IF DIFFERENT FROM ITEM 1.
see Exhibit I

STREET ADDRESS

CITY | STATE | ZIP

3(a). PURPOSE OF APPLICATION *(Put "X" in appropriate box)*

☐ New station
☒ Major change in existing station facilities
☐ Minor change in existing station facilities

(b). If this application is for a change in existing facilities, complete Section I plus any other Sections necessary to show all substantial changes in information previously filed with the Commission, and indicate below the Sections completed and filed with this application.

	Section II		Section V-A
X	Section III	X	Section V-B
X	Section IV-A		Section V-C
	Section IV-B		Section V-G
			Section VI

(c). In the space below refer to information already on file with the Commission which, in accordance with Instruction E, may be incorporated in this application by proper reference.

File or Form No. and Date	Section No.	Paragraph No.
Bled-1607 2/15/77	II	1 & 2
Bled-1607 2/15/77	IV	1

4. REQUESTED FACILITIES

TYPE OF STATION

☐ AM ☒ FM ☐ TELEVISION

FREQUENCY	CHANNEL NO.	CALL SIGN
91.5	218A	WMHC

HOURS OF OPERATION: Unlimited

POWER IN KILOWATTS

NIGHT	DAY
0.100	0.100

ANTENNA HEIGHT ABOVE AVERAGE TERRAIN IN FEET *(FM and TV only)*
-18 ft

STATION LOCATION

CITY: South Hadley | STATE: Mass

(All previous editions of this form are cancelled.)

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this _____ day of Dec, 19 79.

(This Section should not be dated and signed until all Sections and Exhibits have been prepared and attached)

President & Trustees of Mount Holyoke College
(NAME OF APPLICANT)

By ETK
(SIGNATURE)

Title President

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose(s) for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information.

Accordingly, every effort should be made to provide all necessary information.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U. S. C. 552a (e) (3).

If applicant is represented by legal or engineering counsel, state name and post office address: Pierson, Ball & Dowd 1000 Ring Bld Wash D.C 20036

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
~~1~~	I, 2	Paul Ryack	Chairman of WMHC Advisory Committee
~~2~~	III 1d	"	"
3	III, 2b	Merrill Ewing	Treasurer of MHC
4	III, 2b	"	"
5	IV, 2	Lisa Hebb	Program Director - WMHC
6	IV, 4	Paul Ryack	Chairman of WMHC Advisory Committee
7	IV, 7	Lisa Carbone	Assistant Station Manager WMHC
8	IV, 8 VI	Ann Messersmith	Station Manager - WMHC

10. Is applicant directly or indirectly controlled by another legal entity? Yes ☐ No ☒

If "Yes", state below the name of such other legal entity, and state how such control, if any, exists and the extent thereof.

CHANGE INTO LIST ON PAPER / INCLUDE RESIDENCE PHONE (BUSINESS)

11. Give the following information as to applicant's officers, members of governing board, and holders of 1% or more ownership interest (if any).

Name and Residence	Office Held	Citizenship	Principal Profession or Occupation	By whom appointed or elected
L. Hannan	President	USA		
Baker				
Black				
Chambers			unemployed	
Corcoran				
Dennis			student	
Derick			Bank Exec.	
Donovan				
Eynhart			unemployed	
Filler				
Ilchman				
Jones				
Jordan				
Loeb Lilly				
Maslund				
Mathew				

12. Television applicants which are nonprofit organizations rather than governmental bodies or educational institutions submit as Exhibit No. evidence that officers, directors, and members of the governing board are broadly representative of the educational, cultural, and civic groups in the community. This does not apply if applicant is applying for change in facilities.

Mcneelly	unemployed
McIntosh	"
Miller	Attorney
Mulcare	Bus. executive
Powell	Physician
Price	~~Minister~~ Clergy
Seymour	Consultant
Shumway	Educator
Slaight	~~Teacher~~ Bus Exec
Traer	unemployed
Van Cleve	Attorney - Dept of Interior
Merrill Ewing	Treasurer MNC
Grandlyn Glass	Secretary MNC

FCC Form 340 | FEDERAL COMMUNICATIONS COMMISSION | Section III

FINANCIAL QUALIFICATIONS OF BROADCAST APPLICANT	Name of Applicant: President and Trustees of Mount Holyoke College	FOR COMMISSION USE ONLY File No.

INSTRUCTIONS

In the questions that follow, the Commission is seeking information as to contracts and arrangements now in existence, as well as any arrangements or negotiations, written or oral, which relate to the present or future financing of the station; the questions must be answered in the light of this instruction.

1a. Give estimated costs for installation of facilities and equipment for which application is made. The costs shown for the following must be the costs in place and ready for service, including the amounts for labor, supervision, materials, supplies, and freight. To the extent that all or part of the items below are covered by a contract or contracts containing a single quotation, the details of such contract or contracts shall be stated in lieu of the estimates called for below; but, in any event, the cost figures must represent costs in place and ready for service.

Transmitter proper including tubes	Antenna system, including tower, antenna ground system, coupling equipment, transmission line	Frequency and modulation monitors
$2900.00 (amplifer only)	$	$ 1900.00
Installation costs	Installation costs	Installation costs
Labor $	Labor $	Labor $
Supervision $	Supervision $ -0-	Supervision $ -0-
Materials & supplies $	Materials & supplies $	Materials & supplies $
Freight $	Freight $	Freight $

Studio technical equipment, microphones, transcription equipment, cameras, etc.	Acquiring land	Acquiri[illegible], Constructing or Mod[illegible]ing buildings	Other items (state nature)
$	$	$	$200.00 contingency
Installation costs -0-	-0-	-0-	
Labor $			
Supervision $			
Materials & Supplies $			
Freight $			

Total Cost $5000.00

Give Estimated cost of operation for first year $ 5750.00

1b. State the basis of the estimates in (1a.) above.

Manufacturers quotation

1c. The proposed construction is to be financed and paid for in the following manner (including specified statements as to the approximate amount to be met and paid for from each source). The financial plan should provide for any additional construction costs should the actual cost exceed the original estimated cost.

Existing capital	New capital	Loans from banks or others	State, County, Municipal appropriations
$	$	$	$
Federal Grants	**Donations**	**Credit, deferred payments, etc.**	**Other sources (specify)**
$	$5000.00	$	$

1d. Provide full information as to the sources of funds for the first year's operation of the proposed station, including the following:

See Exhibit II

Source	On hand	Anticipated	Total
(1) State, County, Municipal appropriations			
(2) Schools, colleges, or universities			
(3) Foundations ..... (specify)			
(4) Civic Groups			
(5) Individual donations			
(6) Project Income (production services and contracts, tuition, study guides, non-broadcast activities, etc.)			
(7) Other ..... (specify)			
TOTAL			

2. With respect to the funds referred to in Question 1(c) and 1(d) above, furnish information showing the availability of such funds, including:

a. for governmentally appropriated funds, the date, amount, appropriating body, and object of the appropriation, with any restrictions thereon;

N/A

b. for other than governmentally appropriated funds or Federal grants, submit as Exhibit No. III a detailed balance sheet of applicant, showing financial position as at the close of a month within 90 days of the date of application. If the status and composition of any assets and liabilities on the balance sheet are not clearly defined by their respective titles, attach as Exhibit No. schedules which give a complete analysis of such items;

c. for all applicants, attach as Exhibit No. IV a copy of the applicant's current annual budget, insofar as it relates to existing broadcasting operation(s).

3. Furnish the following information with respect to the non-governmental applicant only. If the answer is "None" to any or all items, specifically so state:

a. Amount of funds on deposit in bank or other Depository

In excess of $100,000.00

b. Name and address of the bank in which deposited

Hampshire National Bank - South Hadley, Massachusetts 01075

c. Name and address of the party in whose name the money is deposited

Mount Holyoke College

d. Conditions of deposit (in trust, savings, subject to check, on time deposit, who may draw on account and for what purpose, or other condition)

Checking account subject to signature of 2 (two) officers for expenses.

e. Whether the funds were deposited for the specific purpose of constructing and operating the station

Not deposited for specific purposes; for college expenses

FCC Form 340 | FEDERAL COMMUNICATIONS COMMISSION | Section III

FINANCIAL QUALIFICATIONS OF BROADCAST APPLICANT

Name of Applicant: President & Trustees of Mount Holyoke College

FOR COMMISSION USE ONLY

File No.

INSTRUCTIONS

In the questions that follow, the Commission is seeking information as to contracts and arrangements now in existence, as well as any arrangements or negotiations, written or oral, which relate to the present or future financing of the station; the questions must be answered in the light of this instruction.

1a. Give estimated costs for installation of facilities and equipment for which application is made. The costs shown for the following must be the costs in place and ready for service, including the amounts for labor, supervision, materials, supplies, and freight. To the extent that all or part of the items below are covered by a contract or contracts containing a single quotation, the details of such contract or contracts shall be stated in lieu of the estimates called for below; but, in any event, the cost figures must represent costs in place and ready for service.

Transmitter proper including tubes	Antenna system, including tower, antenna ground system, coupling equipment, transmission line	Frequency and modulation monitors
$ 2400.00 (complete)	$	$
Installation costs	Installation costs	Installation costs
Labor $	Labor $ -0-	Labor $
Supervision $	Supervision $	Supervision $
Materials & supplies $	Materials & supplies $	Materials & supplies $
Freight $	Freight $	Freight $

Studio technical equipment, microphones, transcription equipment, cameras, etc.	Acquiring land	Acquiring, Constructing or Modifying buildings	Other items (state nature)
$	$ 0	$	$
Installation costs			
Labor $			
Supervision $ -0-			
Materials & Supplies $			
Freight $			

Total Cost $ 5000.00

Give Estimated cost of operation for first year $ [illegible] 5,750.00

1b. State the basis of the estimates in (1a.) above.

Manufacturer's quotation

1c. The proposed construction is to be financed and paid for in the following manner (including specified statements as to the approximate amount to be met and paid for from each source). The financial plan should provide for any additional construction costs should the actual cost exceed the original estimated cost.

Existing capital	New capital	Loans from banks or others	State, County, Municipal appropriations
$	$	$	$
Federal Grants	**Donations**	**Credit, deferred payments, etc.**	**Other sources (specify)**
$	$ 5,000.00	$	$

1d. Provide full information as to the sources of funds for the first year's operation of the proposed station, including the following:

See Exhibit II

Source	On hand	Anticipated	Total
(1) State, County, Municipal appropriations			
(2) Schools, colleges, or universities			
(3) Foundations ..... (specify)			
(4) Civic Groups			
(5) Individual donations			
(6) Project Income (production services and contracts, tuition, study guides, non-broadcast activities, etc.)			
(7) Other ..... (specify)			
TOTAL			

2. With respect to the funds referred to in Question 1(c) and 1(d) above, furnish information showing the availability of such funds, including:

a. for governmentally appropriated funds, the date, amount, appropriating body, and object of the appropriation, with any restrictions thereon; N/A

b. for other than governmentally appropriated funds or Federal grants, submit as Exhibit No. III a detailed balance sheet of applicant, showing financial position as at the close of a month within 90 days of the date of application. If the status and composition of any assets and liabilities on the balance sheet are not clearly defined by their respective titles, attach as Exhibit No. schedules which give a complete analysis of such items;

c. for all applicants, attach as Exhibit No. IV a copy of the applicant's current annual budget, insofar as it relates to existing broadcasting operation(s).

3. Furnish the following information with respect to the non-governmental applicant only. If the answer is "None" to any or all items, specifically so state:

a. Amount of funds on deposit in bank or other Depository

In excess of $100,000.00

b. Name and address of the bank in which deposited Hampshire National Bank
South Hadley Mass 01075

c. Name and address of the party in whose name the money is deposited ~~Trustees of~~ Mount Holyoke College

d. Conditions of deposit (in trust, savings, subject to check, on time deposit, who may draw on account and for what purpose, or other condition)

Checking account subject to signature of 2 officers for expenses.

e. Whether the funds were deposited for the specific purpose of constructing and operating the station

Not deposited for specific purposes; for College expenses

STATEMENT OF PROGRAM SERVICE
OF BROADCAST APPLICANT

Name of applicant: President and Trustees

FCC COMMIS — Section IV

File No.

1. Attach as Exhibit No. the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.

On file. File No. Bled - 1607 — No change

2. Attach as Exhibit No. V a proposed weekly schedule of programs together with a brief description of programs not recognizable by their titles. (It is not expected that the licensee will or can adhere inflexibly in day-to-day operation to the representation made here. However, since such representation will constitute, in part, the basis upon which the Commission acts on the application, time and care should be devoted to the preparation of the reply so that it will reflect accurately the applicant's responsible judgment of his proposed programming policy.) If applicant already has such information on file, indicate file number and detail changes, if any.

NOTE: The following are examples of Program data:

1. Sources of programs are defined as follows:

A local program (L) is any program originated or produced by the station, employing live talent more than 50% of the time, and using the studios or other facilities of the station. A local program recorded or filmed by the station for later transmission shall be classified as local. A program produced by a station and fed to a network shall be classified by the originating station as local. Programs primarily featuring phonograph records, syndicated or feature films or taped or transcribed programs, shall not be classified as local even though a station personality appears incidentally to introduce such material.

A record program (REC) (Radio only) is any program, not falling within the definition of "local" above, which utilizes phonograph records, electrical transcriptions or taped music, with or without commentary by a local announcer, or other station personnel.

A network program (N) is any program furnished to the station by a network (national, regional or special) such as NET, NAEB Radio Tape Network, Eastern Educational Network, Educational Radio Network, etc.

Other Programs (OTHER) are any programs not defined above, including, without limitation, syndicated film, taped or transcribed programs, and feature films.

2. Types of educational programs are defined as follows:

Instructional (I) includes all programs designed to be utilized by any level of educational institution in the regular instructional program of the institution. In-school, in-service for teachers, and college credit courses are examples of instructional programs.

General Educational (GEN) is an educational program for which no formal credit is given.

Performing Arts (A) is a program, live or recorded, in which the performing aspect predominates such as drama or concert, opera or dance.

Public Affairs (PA) includes talks, discussions, speeches, documentaries, editorials, forums, panels, round tables, and similar programs primarily concerning local, national, and international affairs or problems.

Light Entertainment (LE) includes programs consisting of popular music or other light entertainment.

Other (O) includes all programs not falling within the definitions of Instructional, General Education, Performing Arts, Public Affairs or Light Entertainment. Such programs as news or sports should be reported as "other."

3. Will the applicant transmit any program which will promote any activity other than education in which the applicant or any party to the application is engaged or financially interested, whether directly or indirectly?

☐ YES If yes, submit as Exhibit a list of such programs together with comments showing the relationship of the programs to the applicants other interests.

☒ NO

4. Attach as Exhibit VI a description of facilities, staff and equipment available to the applicant for his development and production of program material. Include here such items as, for example, studio facilities; service subscribed to and libraries of program material maintained; cameras, tape recorders, remote equipment, etc.; staff personnel used in program production. If applicant already has such information on file, indicate file number and detail changes if any. ~~See Exhibit VI, Add Equipment Exhibit - Assist~~

Submitted to WPI Mother Earth Church Students of Fac

5. Will the proposed station be affiliated with any network?

☐ YES If yes, give the name of the network(s).

☒ NO

6. State what percentage of the station's ordinary broadcast week will be devoted to instructional programming (See definition of instructional programming above). 1%

7. Has the applicant placed in its public inspection file the required documentation relating to its efforts to ascertain community problems and needs?

☒ YES ~~See Exhibit VII~~

☐ NO If no, attach as Exhibit an explanation.

Radio applicants attach as Exhibit VII the narrative description of this survey (as required by Section 1.527 (b) of the Commission's Rules),

8. Has the applicant placed in its public inspection file the list of no more than 10 significant problems and needs which in the applicant's judgment, warrant treatment during the coming term, and proposed typical and illustrative programming to be broadcast in response thereto?

☒ YES Attach this listing as Exhibit VIII

☐ NO

9. Television applicants attach as Exhibit the Community Leader Checklist for your ascertainment effort conducted six months prior to filing.

NOTE: The NET, NAEB Radio Tape Network, Educational Radio Network, and the Eastern Educational Network are examples of educational networks.

~~731-2404~~

Exhibit No 1
FCC Form 340
Section 1 Paragraph 2

Send notices and communications to:

Merill Ewing
Treasurer
Mount Holyoke College
South Hadley, Mass. 01075

With Copies to:

James Dowd,
Firm
Address

Pierson, Ball & Dowd
James Dowd, esq.
1000 Ring Bld
Wash. DC 20036

WMHC
Radio Station of
MOUNT HOLYOKE COLLEGE
South Hadley, Massachusetts 01075
Telephone 413 538-2044

Exhibit ~~IIIII~~ 2

Form 340

Section ~~III~~ III, 1d (2), (7)

(2) ~~Annual Anticipated contribution of Mount Holyoke College for space & utilities: less than $1,000.00~~

Space and utilities are provided by Mount Holyoke College. Estimated value of the contribution is under $1,000 per annum.

(7) Student Government Association appropriations for FY 1981: $5,000 (anticipated)

Exhibit 3

Form 340

Section III, Paragraph 2b

cover sheet

Attach ~~sticker to~~ Balance sheet w/ the above information

WMHC
Radio Station of
MOUNT HOLYOKE COLLEGE
South Hadley, Massachusetts 01075
Telephone 413 538-2044

Exhibit 4
Form 340
section II, Paragraph 2c

Attach sheet w/ above information
to enclosed annual budget

WMHC
Radio Station of
MOUNT HOLYOKE COLLEGE
South Hadley, Massachusetts 01075
Telephone 413 538-2044

Exhibit 5
Form 340
Section IV, Paragraph 2

Attach sticker to WMUC
program guide

WMHC
Radio Station of
MOUNT HOLYOKE COLLEGE
South Hadley, Massachusetts 01075
Telephone 413 538-2044

Exhibit 6
Form 340
Section IV, 4

4 II
Remote equipment
Turntables (2) - QRK 12.C
~~Stereo~~ ~~Mixers~~

#1 Mixers - (2) Share
Studio Equipment
Tapedecks
Teac 3340S (open reel)
Teac A3300SX " "
Advent 201A (cassette)
ATK (cartridge)
← Turntables (2) - Games
← Mixer - Sparta

4 III News and program services subscriptions
~~Subscribe~~ to: UPI (international news wired)
2 Mother Earth
3 Earth ~~Watch~~ Watch

4 IV Personnel
Students & Faculty of Mount Holyoke College

FCC Form 340 | FEDERAL COMMUNICATIONS COMMISSION | Section II

LEGAL QUALIFICATIONS OF BROADCAST APPLICANT	Name of Applicant	FOR COMMISSION USE ONLY File No.

INSTRUCTIONS

As used in this Section, the words "party to this application" mean: (1) in the case of a corporate applicant with outstanding stock, all officers, directors, stockholders of record, persons owning the beneficial interest in any stock, subscribers to any stock, and persons who voted any of the voting stock at the last stockholders meeting; (2) in the case of any other applicant which is not a governmental or public educational agency, all executive officers, members of the governing board; and owners or subscribers to any membership or ownership interest in the applicant; (3) in the case of an applicant which is a governmental or public educational agency, the members of the governing board and chief executive officers thereof.

1. Describe clearly and in detail the character and legal nature of the applicant (a corporation, unincorporated legal entity, or public body; a public or private educational institution; a State, county, city or other political subdivision, a board of education, school board or district, board of regents or trustees, or other department or unit of a state or one of its political subdivisions; a nonprofit corporation or unincorporated association formed for the purpose of operating a noncommercial educational broadcasting station) including the State, District, Territory or Possession under the laws of which the applicant is organized.

2. a. State whether applicant is a nonprofit educational institution. Yes ☐ No ☐

b. If the applicant is a nonprofit educational organization, describe in Exhibit No. how the proposed station will be used for the advancement of an educational program. This does not apply if applicant is applying for change in facilities.

3. Submit as Exhibit No. three copies, one of which must be properly certified of

(a) If applicant is a corporation, the articles of incorporation (or charter) and the by-laws (with amendments to both, if any), certified by the Secretary of State or other appropriate official.

(b) If applicant is an unincorporated association, or other legal entity, the articles of association or other legal instrument under which applicant is organized showing the purposes thereof, and the by-laws, if any (with amendments to both, if any).

(c) If applicant is a public educational institution, the laws (and amendments thereof) under which it was created with an appropriate citation as to the source thereof.

(d) If the applicant is a political subdivision, or a board, department or unit thereof, the laws (and amendments thereof) under which said subdivision, board, department or unit was created with an appropriate citation as to the source thereof.

4. Indicate specifically by reference to page and paragraph of the articles of incorporation or of association, or of the political subdivision, the charter powers relied upon by the applicant to show that it is legally empowered to construct and operate the proposed station.

5. Are all parties to this application citizens of the United States? Yes ☐ No ☐

If "No," state the name and citizenship of each party who is not a citizen of the United States.

6. a. Is applicant or any party to this application a representative of an alien or of a foreign government? Yes ☐ No ☐

b. If applicant is a corporation, is more than 20 percent of the capital stock owned of record or may it be voted by aliens or their representatives, or by a foreign government or a representative thereof, or by any corporation organized under the laws of a foreign country? Yes ☐ No ☐

c. If applicant is a corporation and is controlled by another corporation or corporations, is more than 25 percent of the capital stock of such controlling corporation or corporations owned of record or may it be voted by aliens, their representatives, or by any corporation organized under the laws of a foreign country? Yes ☐ No ☐

d. If the answer to any of the foregoing parts of this paragraph is "Yes," submit as Exhibit No. a full disclosure concerning the persons and matters involved.

7. a. Has the applicant or any party to this application been fully adjudged guilty by a Federal court of unlawfully monopolizing or attempting unlawfully to monopolize radio communications, directly or indirectly, through the control of the manufacture or sale of radio apparatus, through exclusive traffic arrangements, or by any other means, or to have been using unfair methods of competition? (See Section 313 of the Communications Act of 1934, as amended) Yes ☐ No ☐

b. If "Yes," submit as Exhibit No. a full disclosure concerning the persons and matters involved, identifying the court and the proceedings (by dates and file numbers) stating the facts upon which the proceeding was based or the nature of the offense committed, and the disposition of the matter.

Exhibit 7
Form 340
Section IV, Paragraph 7

Attach sticker to community ascertainment w/ above information

FCC Form 340	FEDERAL COMMUNICATIONS COMMISSION	Section II
LEGAL QUALIFICATIONS OF BROADCAST APPLICANT	Name of Applicant	FOR COMMISSION USE ONLY File No.

INSTRUCTIONS

As used in this Section, the words "party to this application" mean: (1) in the case of a corporate applicant with outstanding stock, all officers, directors, stockholders of record, persons owning the beneficial interest in any stock, subscribers to any stock, and persons who voted any of the voting stock at the last stockholders meeting; (2) in the case of any other applicant which is not a governmental or public educational agency, all executive officers, members of the governing board; and owners or subscribers to any membership or ownership interest in the applicant; (3) in the case of an applicant which is a governmental or public educational agency, the members of the governing board and chief executive officers thereof.

1. Describe clearly and in detail the character and legal nature of the applicant (a corporation, unincorporated legal entity, or public body; a public or private educational institution; a State, county, city or other political subdivision, a board of education, school board or district, board of regents or trustees, or other department or unit of a state or one of its political subdivisions; a nonprofit corporation or unincorporated association formed for the purpose of operating a noncommercial educational broadcasting station) including the State, District, Territory or Possession under the laws of which the applicant is organized.

2. a. State whether applicant is a nonprofit educational institution. Yes ☐ No ☐

b. If the applicant is a nonprofit educational organization, describe in Exhibit No. how the proposed station will be used for the advancement of an educational program. This does not apply if applicant is applying for change in facilities.

3. Submit as Exhibit No. three copies, one of which must be properly certified of

(a) If applicant is a corporation, the articles of incorporation (or charter) and the by-laws (with amendments to both, if any), certified by the Secretary of State or other appropriate official.

(b) If applicant is an unincorporated association, or other legal entity, the articles of association or other legal instrument under which applicant is organized showing the purposes thereof, and the by-laws, if any (with amendments to both, if any).

(c) If applicant is a public educational institution, the laws (and amendments thereof) under which it was created with an appropriate citation as to the source thereof.

(d) If the applicant is a political subdivision, or a board, department or unit thereof, the laws (and amendments thereof) under which said subdivision, board, department or unit was created with an appropriate citation as to the source thereof.

4. Indicate specifically by reference to page and paragraph of the articles of incorporation or of association, or of the political subdivision, the charter powers relied upon by the applicant to show that it is legally empowered to construct and operate the proposed station.

5. Are all parties to this application citizens of the United States? Yes ☐ No ☐

If "No," state the name and citizenship of each party who is not a citizen of the United States.

6. a. Is applicant or any party to this application a representative of an alien or of a foreign government? Yes ☐ No ☐

b. If applicant is a corporation, is more than 20 percent of the capital stock owned of record or may it be voted by aliens or their representatives, or by a foreign government or a representative thereof, or by any corporation organized under the laws of a foreign country? Yes ☐ No ☐

c. If applicant is a corporation and is controlled by another corporation or corporations, is more than 25 percent of the capital stock of such controlling corporation or corporations owned of record or may it be voted by aliens, their representatives, or by any corporation organized under the laws of a foreign country? Yes ☐ No ☐

d. If the answer to any of the foregoing parts of this paragraph is "Yes," submit as Exhibit No. a full disclosure concerning the persons and matters involved.

7. a. Has the applicant or any party to this application been fully adjudged guilty by a Federal court of unlawfully monopolizing or attempting unlawfully to monopolize radio communications, directly or indirectly, through the control of the manufacture or sale of radio apparatus, through exclusive traffic arrangements, or by any other means, or to have been using unfair methods of competition? (See Section 313 of the Communications Act of 1934, as amended) Yes ☐ No ☐

b. If "Yes," submit as Exhibit No. a full disclosure concerning the persons and matters involved, identifying the court and the proceedings (by dates and file numbers) stating the facts upon which the proceeding was based or the nature of the offense committed, and the disposition of the matter.

Exhibit 8

CC Form 340
Section IV, Paragraph 8

Will be Filed in

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this_____ day of _____ , 19___.

(This Section should not be dated and signed until all Sections and Exhibits have been prepared and attached)

_____
(NAME OF APPLICANT)

By _____
(SIGNATURE)

Title _____

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose(s) for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information.

Accordingly, every effort should be made to provide all necessary information.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U. S. C. 552a (e) (3).

If applicant is represented by legal or engineering counsel, state name and post office address:

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title

~~Statement in lieu of section 6:~~

~~Exhibit No~~ Exhibit No 1

FCC Form 340

~~Section 6~~ Section 6

Statement in lieu of Section 6:

WMHC has ~~fewer~~ no full time paid employees. Therefore, no equal ~~opportuni~~ employment opportunity form need be filed.

WMHC
Radio Station of
MOUNT HOLYOKE COLLEGE
South Hadley, Massachusetts 01075
Telephone 413 538-2044

As a result of the ascertainment of community needs and concerns, WMHC has found it can help meet the needs and interests of the community by the following programming.

1. With respect to the problem of security, WMHC plans to incorporate a permanent series of public service announcements into its daily programming.in order to bring useful information to its listeners. These announcements can provide information concerning safety instructions including phone numbers or persons to contact in the case of an emergency. They can also provide information on self-defense if that should be necessary. WMHC plans to conduct interviews with members of the security force, members of WASH (Women Against Sexual Haraasment), and students on campus during our Sunday evening "Conversations With . . ." program. WMHC feels this problem can be dealt with through continually reminding students to be conscious of their personal safety on campus.

2. With respect to the problem of student apathy, WMHC can keep listeners informed about events in the five college area and encourage participation by highlighting specific benefits. WMHC will announce events and information on various organizations each day at 9:05am, 12:30pm, 5:05pm, and 9:05pm. Participation may be increased if WMHC broadcasts openings of leadership positions on campus. Descriptions of campus organizations and who to contact for those interested in further information, will also be broadcast. This will be done under a new community announcement which will be a series under the title of "What's been happening on campus?". A specific organization will be chosen for each of a series of announcements and information on what that group has been doing and what goals they have will be broadcast. It is hoped that students will direct their interests and concerns to any one of the organizations after learning more about them.

3. WMHC hopes to bring information to its listeners concerning energy and conservation. Public service announcements that provide this will be broadcast regularly. Information about what organizations there are that deal with the issue of energy and who to contact for details will be researched and broadcast. Statistics pertinent to the energy crisis will also be researched and broadcast to increase awareness of the magnitude of the problem. On "Conversations With...", a discussion with energy representatives on campus will be useful. WMHC is planning a promotional event centered around the issue of energy conservation. It will be based on a contest between dormatories to conserve the most energy during a month long period.

4. The issue of racial discontent has and will continue to be given priority at WMHC. As in the past, any college meeting on this issue will be recorded and broadcast. Student opinion and suggestions are encouraged and broadcast. On "Conversations With..." panel discussions will be useful to define the problem specifically for students.

5. With respect to the communication problems on campus, WMHC has formed a community advisory committee. This committee was developed to enhance dialogue among students, faculty and the community. It is comprised of faculty from the Theatre and English departments, a member of the Administration, a College physician and a Trustee who is a local resident. In cooperation with the committee and the various academic departments on campus, WMHC will have the capability to produce programs dealing with the issues involved in local communications problems.

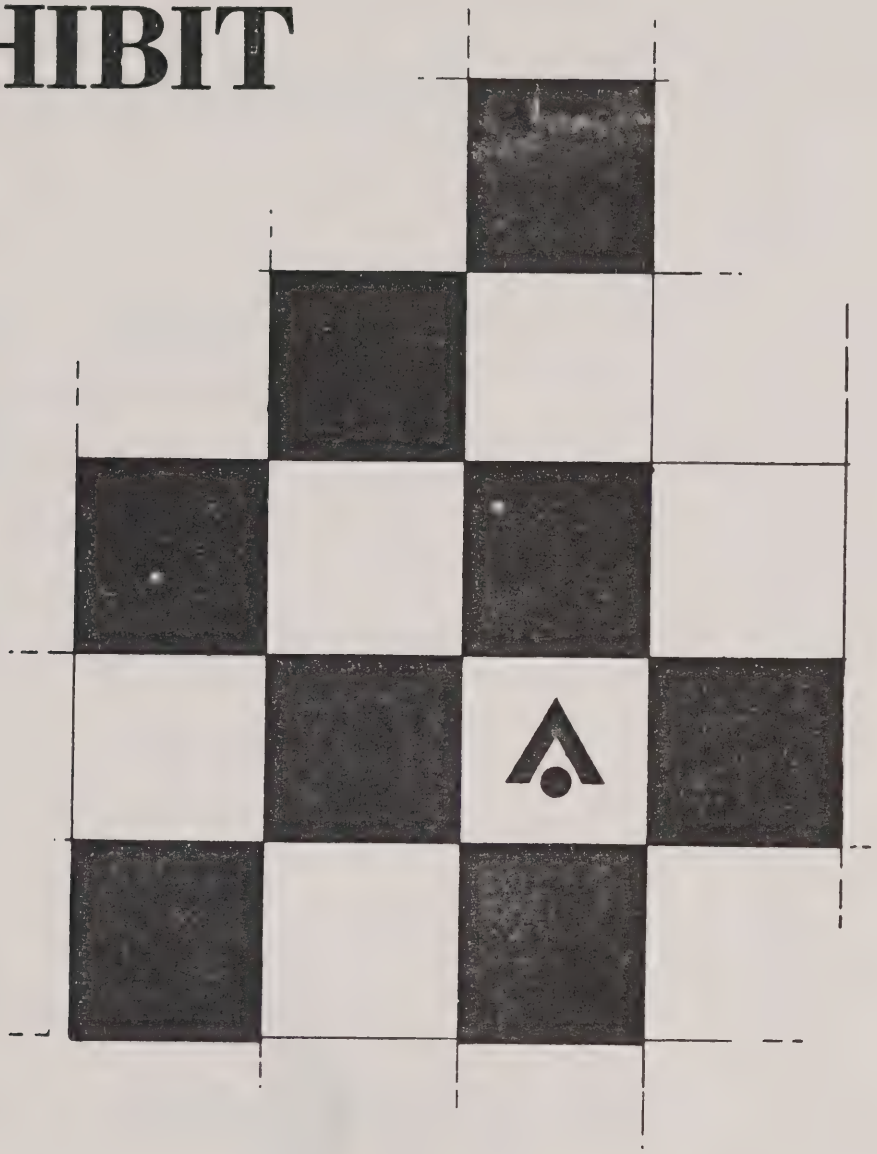
6. The issue of taxes relates to the general concern of the campus

and town in regard to the current economic situation. WMHC is also interested in the other facets of the economy which effect the campus and the broadcast area. In the public affairs programming schedule of WMHC, major news casts, news in brief and news hadlines consistently address the economic picture. However, in addition, WMHC is in an excellent position to broadcast more comprehensive discussions of economic issues on the local and national scale. The college has the advantage of having expert resources available to contribute to the on air presentation of economic issues including inflation, unemployment, economic development and taxes.

Theses are things that will be given immediate attention and will be incorporated into WMHC programming in a permanent way. The ascertainment staff plans tc announce a meeting for anyone interested in discussing the results of the surveys and what can be done in response. For the immediate future however, the above mentioned suggestions will be carried through in our attempt to deal with the problems presented to us by our community.

ORIGINAL SIGNATURE COPY

ENGINEERING EXHIBIT



WMHC RADIO

EDUCATIONAL FM ASSOCIATES
19 Bolas Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200

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FCC Form 340 — FEDERAL COMMUNICATIONS COMMISSION — Section V-B

FM ENGINEERING DATA

Name of applicant: President and Trustees of Mount Holyoke College

FOR COMMISSION USE ONLY
File No.

1. Purpose of authorization applied for:
☐ Construct a new station ☒ Make changes in authorized radio station
If this is not for a new station, summarize briefly the nature of the changes proposed.
Increase effective radiated power to 100 watts.

2. Facilities requested

Frequency	Transmitter power output
91.5 MHz FM Channel 218A	56 watts

3. Proposed transmitter location

State	County	City
Massachusetts	Hampshire	South Hadley

Street Address (or other identification)
Mary E. Woolley Hall on the Campus of Mount Holyoke College

Remote control point location

State	City or town
Massachusetts	South Hadley

Street Address (or other identification)
Mary E. Woolley Hall on the Campus of Mount Holyoke College

4. Proposed location of main studio

State	County
Massachusetts	Hampshire

City or town	Street Address
South Hadley	Mary E. Woolley Hall

Other studios proposed
None

5. Transmitter

Make: LPB, Inc.

Type No.	Rated Power
FM-150SS	150 watts

(If the above transmitter has not been accepted for licensing by the F.C.C., attach as N/A a complete showing of transmitter details. Showing should include schematic diagram and full details of frequency control. If changes are to be made in licensed transmitter include schematic diagram and give full details of change.)

6. Transmission line proposed to supply power to the antenna from the transmitter

Make	Type No.	Description
Heliax	HJ2-50	air coax

Size (nominal transverse dimension) in inches	Length in feet	Rated efficiency in percent for this length
3/8 inch	75 ft.	87.0%

7a. Antenna structure

Is the proposed construction in the immediate vicinity or does it serve to modify the construction of any standard broadcast station, FM broadcast station, television broadcast station, or other class of radio station? ☐ Yes ☒ No
If "Yes", attach as N/A complete engineering data thereon.

Submit as On File a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features.

Overall height in feet above ground. (Without obstruction lighting)	Overall height in feet above mean sea level. (Without obstruction lighting)
94 feet	309 feet

Overall height in feet above ground. (With obstruction lighting)	Overall height in feet above mean sea level. (With obstruction lighting)
NO LIGHTING REQUIRED	

Height of antenna radiation center in feet above mean sea level.
294 feet

Geographical Coordinates of Antenna (To nearest second)

North Latitude	West Longitude
42° 15' 12"	72° 34' 40"

b. Antenna data

Make	Type No. or description	No. of sections
CCA Electronics	6812-4	4

Effective free space field intensity at one mile in mv/m for one kilowatt antenna input power	Antenna field gain	Antenna power gain
198 mv/m	1.43	2.05

Is horizontal polorization proposed? ☒ Yes ☐ No
If "No", attach as: N/A complete engineering data on the antenna and the effective radiated power proposed.

Is directional antenna proposed? ☐ Yes ☒ No
If "Yes", attach as N/A complete engineering data thereon.

8. If this is a major environmental action submit as N/A a sufficient number of aerial photographs taken in clear weather at appropriate altitudes and angles to show the nature of the surrounding terrain in the vicinity of the proposed transmitter site. The photographs must be marked so as to show compass directions. Photographs taken in eight different directions from an elevated position on the ground will be acceptable in lieu of the aerial photographs if the area can be clearly shown. Give date photographs were taken.

FCC Form 340 | ENGINEERING DATA | Section V-B, page 2

9. Proposed Operation

Transmitter power output in kilowatts	Power dissipation within transmission line in kilowatts
0.056 kw	0.007 kw
Antenna input power in kilowatts	**Effected radiated power in kilowatts**
0.049 kw	0.100 kw

10. Modulation monitor

Make	Type No.
Belar	FMM-1

11. (a) Attach as Figure 1-1 a map(s) (topographic where obtainable, such as U. S. Geological Survey quadrangles) within 15 miles of the proposed transmitter location. In addition the following will be indicated:

(1) Proposed transmitter and main studio locations accurately plotted;

(2) Transmitter location and call letters of all known radio stations (except amateur) and the location of established commercial and government receiving stations within 2 miles of the proposed transmitter location;

(3) Character of the area within 2 miles of transmitter location, suitably designated as to residential, business, industrial, and rural nature;

(4) At least eight radials each extending to a distance of ten or more miles from the proposed transmitter location.

(b) Attach as Figure 1-4 profile graphs for the radials in a (4) above. Each graph shall show the elevation of the antenna radiation center. Identify each graph by its bearing from the proposed transmitter location. Direction true north shall be zero azimuth and angles measured clockwise. Show source of topographical data on each. Show scale of miles.

12. From the profile graphs in 11(b), for the eight mile distance between two and ten miles from the proposed transmitter location, and in accordance with the procedure prescribed in Section 73.313 of the Commission's Rules, supply the following tabulation of data: (If proposed location is adjacent to the sea coast or the Great Lakes omit from this tabulation all radials which lie over water substantially the entire distance between two miles from the proposed transmitter location and the predicted 50 microvolt per meter contour.)

Radial bearing (degrees true)	Average elevation of radial (2-10 mi.) in feet above mean sea level	Height in feet of antenna radiation center above average elevation of radial (2-10-mi.)	Predicted distance in miles to the 60 dbu contour	Predicted distance in miles to the 40 dbu contour
0	230 feet	+ 64 feet	3.6 mi.	11.6 mi.
45	424	-130	3.6	11.6
90	408	-114	3.6	11.6
135	245	+ 49	3.6	11.6
180	202	+ 92	3.6	11.6
225	326	- 32	3.6	11.6
270	417	-123	3.6	11.6
315	245	+ 49	3.6	11.6

Antenna height above average terrain (Average of above listed heights): - 18 feet

13. Environmental statement, See Part 1, Subpart I of the rules.

Would a Commission grant of your application be a major action as defined by Section 1.1305 of the Commission's Rules?

☐ YES If yes, submit the required statement in accordance with Section 1.311 of the Commission's Rules. N/A

☒ NO If no, explain briefly. No change proposed in existing antenna system.

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Date February 7, 1979

Signature Edward F. Perry, Jr.

(Check appropriate box)

☐ Technical Director ☐ Chief Operator

☐ Registered Professional Engineer ☐ Other (specify)

☒ Consulting Engineer

Address Box AA
(Include ZIP Code)
Duxbury, MA 02332

Telephone No. (617) 585-9200
(Area Code)

Section 1

GENERAL INFORMATION

1-1 INTRODUCTION

This report was prepared by Educational FM Associates to support a request by the President and Trustees of Mount Holyoke College, licensee of Class D Educational FM Broadcast Station WMHC in South Hadley, Massachusetts, for an increase in the effective radiated power of Station WMHC. This report contains all information required by Section V-B of FCC Form 340. Since no change in the existing authorized antenna system is proposed, no Section V-G data or exhibits are included within this report. However, this information is on file with the Commission as part of an application for a Construction Permit to change the WMHC antenna site, tendered in March 1976, which is hereby incorporated by reference into this report.

1-2 FACILITIES REQUESTED

WMHC seeks to increase its effective radiated power to 100 watts at an antenna height 18 feet below average terrain. This application proposes no change in the antenna or transmitter site presently authorized.

1-3 ANTENNA INFORMATION

To achieve the proposed 100-watt effective radiated power, a 150-watt linear amplifier and the existing 10-watt transmitter will be employed in conjunction with the existing WMHC four-bay circularly polarized transmitting antenna which has a power gain of 3.12 db. Subtracting the 0.605 db of loss encountered in the existing transmission line results in an antenna system gain of 2.515 db. Referenced to a transmitter output of 56 watts, this loss figure produces an effective radiated power of 100 watts.

1-4 DETERMINATION OF ANTENNA HEIGHT ABOVE AVERAGE TERRAIN

Average elevation of the terrain surrounding the transmitter site was determined by means of procedures prescribed in Paragraph 73.31(d) of the Commission's Rules. Eight radials, one for every 45 degrees of horizontal azimuth, extending ten miles from the proposed antenna site were examined and the topographical data contained thereon charted on profile graphs, one of which pertains to each radial. Measured radials are shown on Figure 1-2 which also illustrates the location of the proposed 60 dbu contour. The following 7.5 Minute United States Coast and Geodetic Topographic Survey Quadrangles for the South Hadley area, submitted as Figure 1-3 in this Engineering Exhibit, were used to read elevations.

Map	Radials in ^{o}True
Mount Holyoke, MA	0, 45, 90, 135, 180, 225, 270, 315
Mount Toby, MA	0
Belchertown, MA	45, 90
Springfield North, MA	135, 180, 225
Ludlow, MA	135
Springfield South, MA	180
Mount Tom, MA	225
Easthampton, MA	270, 315
Westhampton, MA	270

Terrain features for a distance of ten miles along each radial were examined and data for areas between two and ten miles from the transmitter site was used to compute the average terrain elevation. Figure 1-4 depicts terrain on each radial. To ensure an accurate representation, 81 equidistant points of elevation were selected on each radial for distances between two and ten miles. Ten-foot contour intervals were used to read and define elevation points. Average terrain on the eight radials considered is 312 feet above mean sea level. The antenna is located on a 94-foot structure, the top of which is 309 feet above mean sea level. The antenna radiation center will be located 15 feet from the top of the tower, 294 feet above mean sea level, and 18 feet below average terrain.

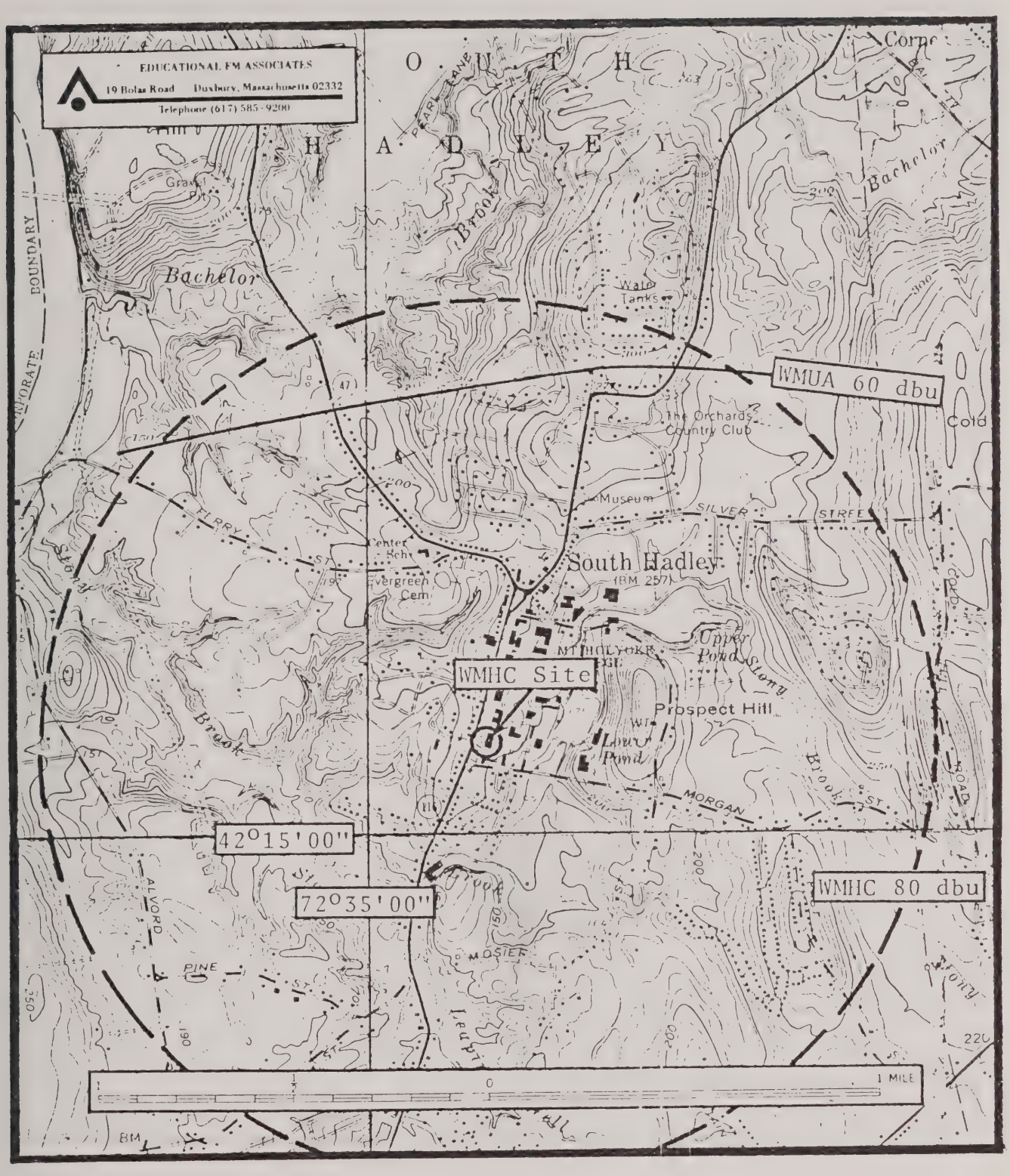
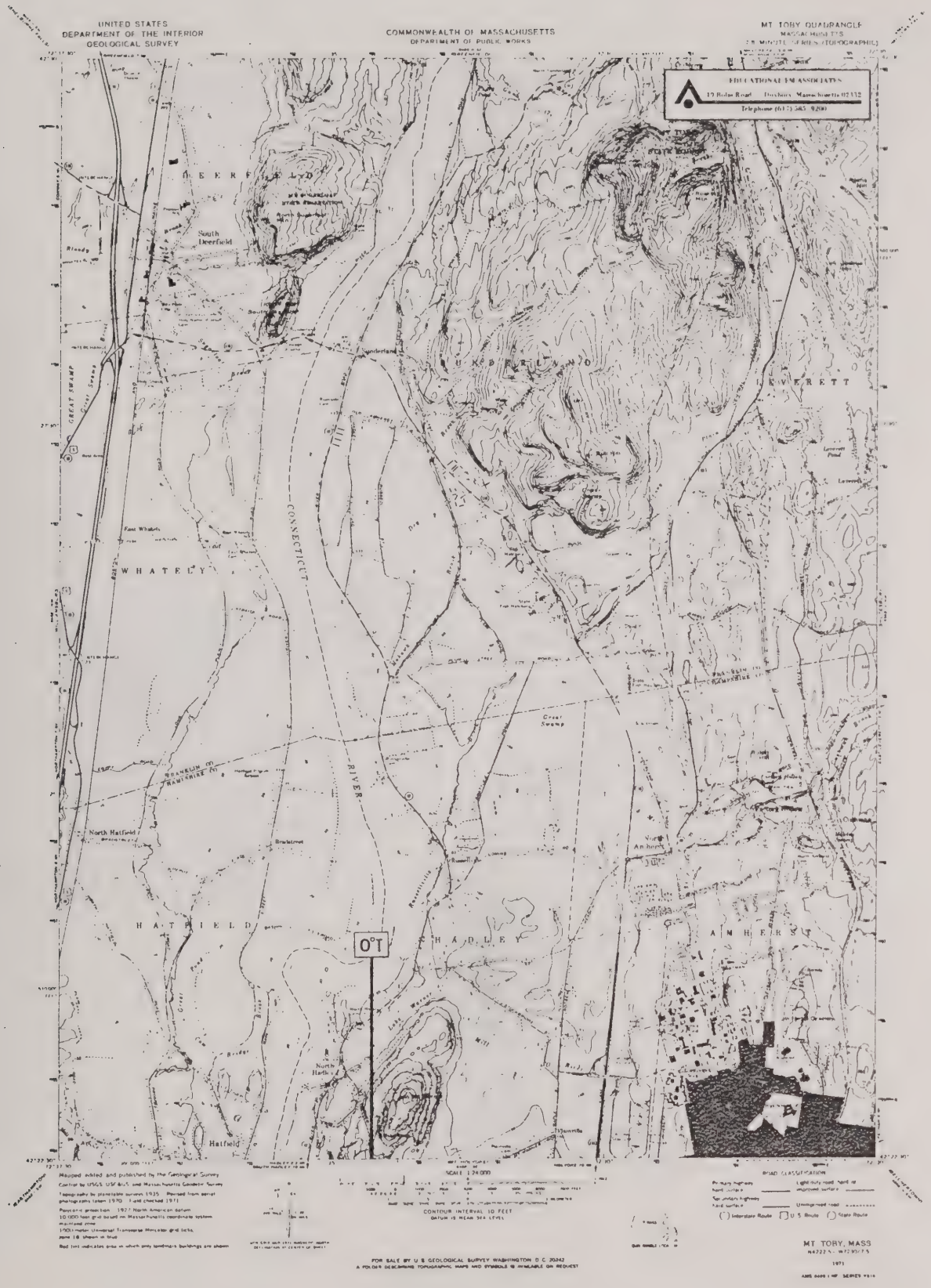


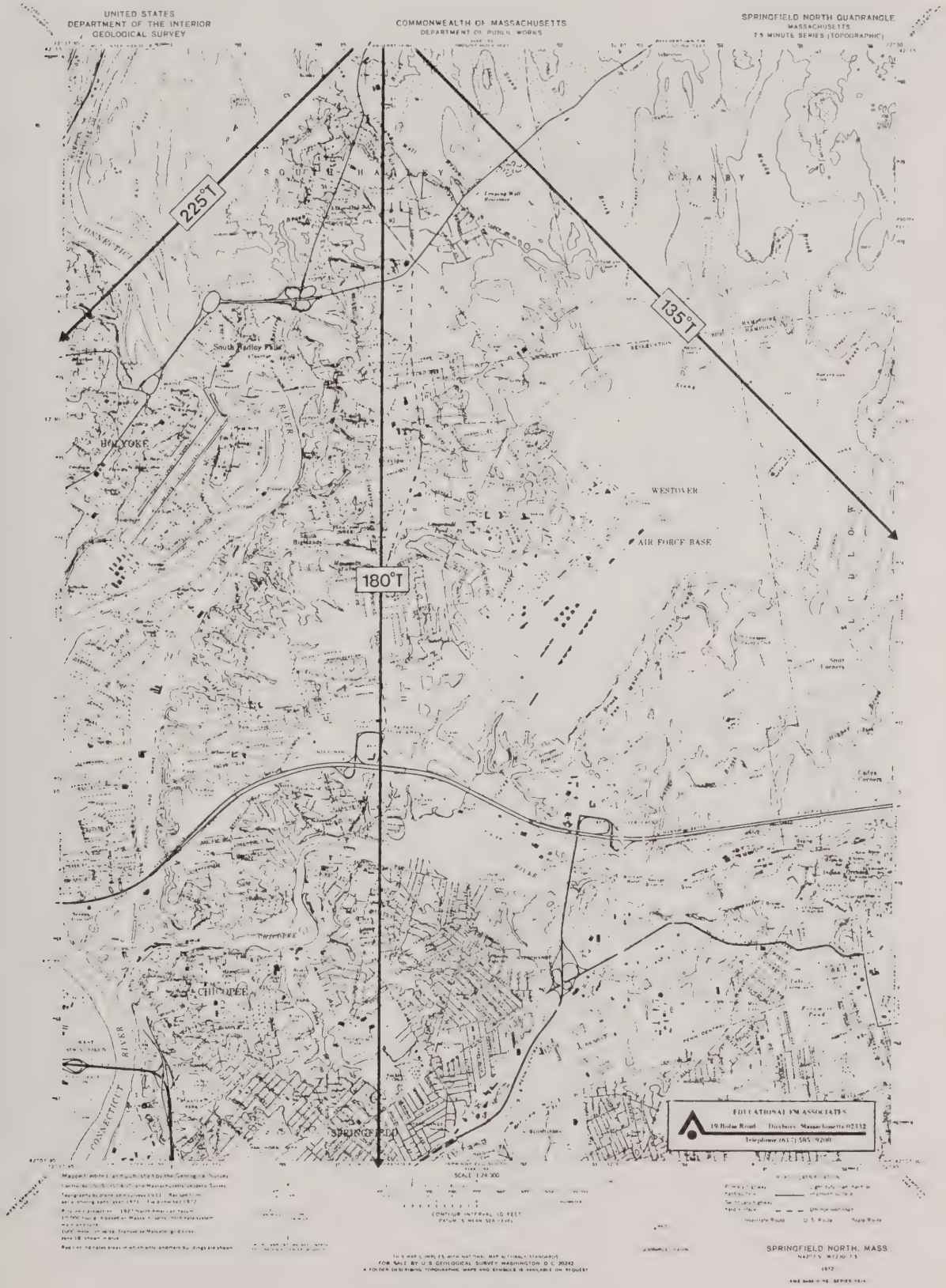
Figure 1-1. Location of Proposed Site Shown on a Composite of the Mt. Holyoke and Springfield North, MA, USCGS Quadrangle Maps.

Figure 1-2. Location of Radials Studied to Determine HAAT and Detailed Allocation Study

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MT. HOLYOKE QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
Telephone (617) 585-9200
HATFIELD
CONNECTICUT
RIVER
NORTHAMPTON
0°T
45°T
90°T
135°T
180°T
225°T
270°T
315°T
MT HOLYOKE MASS


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MT TOBY QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
12 Ridge Road Duxbury, Massachusetts 02332
Telephone (617) 585-9200
DEERFIELD
South Deerfield
GREAT SWAMP
CONNECTICUT RIVER
WHATELY
NORTHFIELD
EVERETT
Creat Swamp
North Hatfield
HATFIELD
SHADELEY
AMHERST
0°T
Hatfield
SCALE 1:24 000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
ROAD CLASSIFICATION
Interstate Route
U.S. Route
State Route
MT. TOBY, MASS
1971

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
BELCHERTOWN QUADRANGLE
MASSACHUSETTS-HAMPSHIRE CO
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
45°T
90°T
AMHERST
BELCHERTOWN
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
ROAD CLASSIFICATION
BELCHERTOWN, MASS.


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SPRINGFIELD NORTH QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
225°T
135°T
180°T
HOLYOKE
WESTOVER
AIR FORCE BASE
CHICOPEE
SPRINGFIELD
EDUCATIONAL FM ASSOCIATES
SPRINGFIELD NORTH, MASS

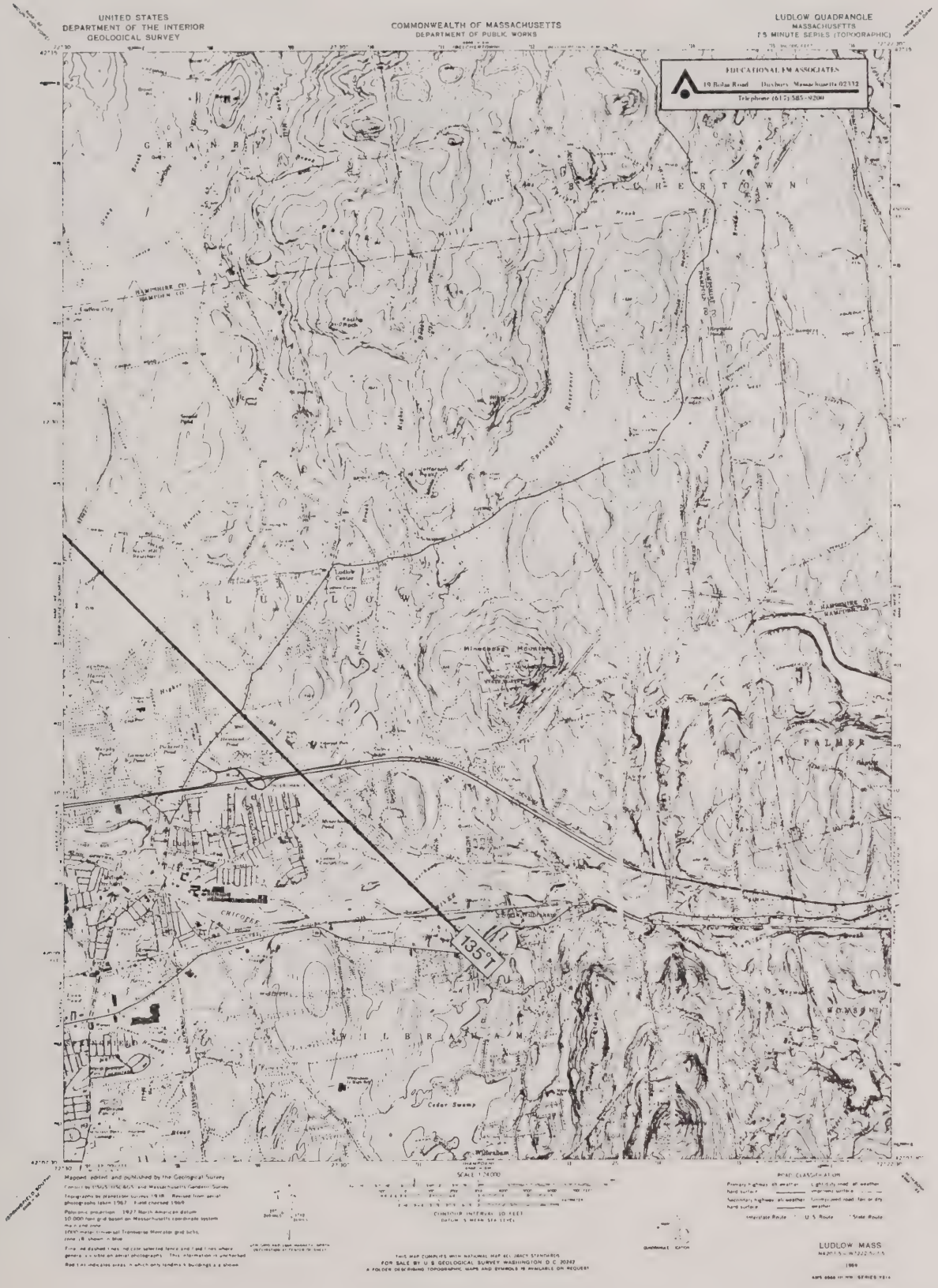

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
LUDLOW QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
10 Bolton Road Dedham, Massachusetts 02332
Telephone (617) 585-9200
GRANBY
BELCHERTOWN
LUDLOW
PALMER
WILBRAHAM
Minnechaug Mountain
Cedar Swamp
Springfield Reservoir
CHICOPEE
135°T
LUDLOW MASS

Figure
1-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
STATE OF MASSACHUSETTS
SPRINGFIELD SOUTH QUADRANGLE
MASSACHUSETTS-CONNECTICUT
7.5 MINUTE SERIES (TOPOGRAPHIC)
180°T
AGAWAM
LONGMEADOW
CONNECTICUT
RIVER
SPRINGFIELD
EDUCATIONAL FM ASSOCIATES
SPRINGFIELD SOUTH, MASS.-CONN.

Figure
1-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
MOUNT TOM QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
EASTHAMPTON
SOUTHAMPTON
HOLYOKE
WESTFIELD
WEST SPRINGFIELD
CONNECTICUT RIVER
225°T
SCALE 1:24000
CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
MOUNT TOM, MASS
1972

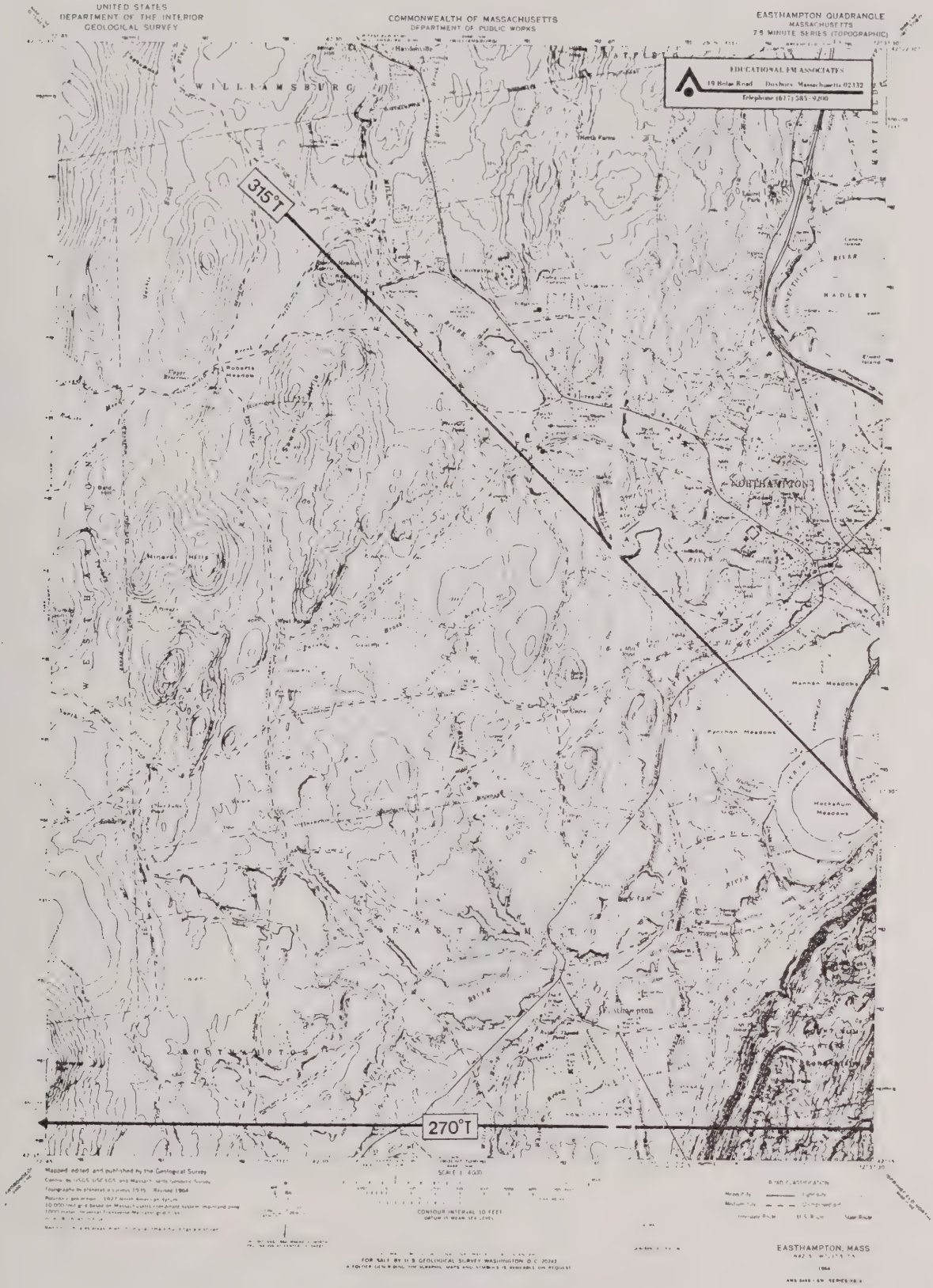
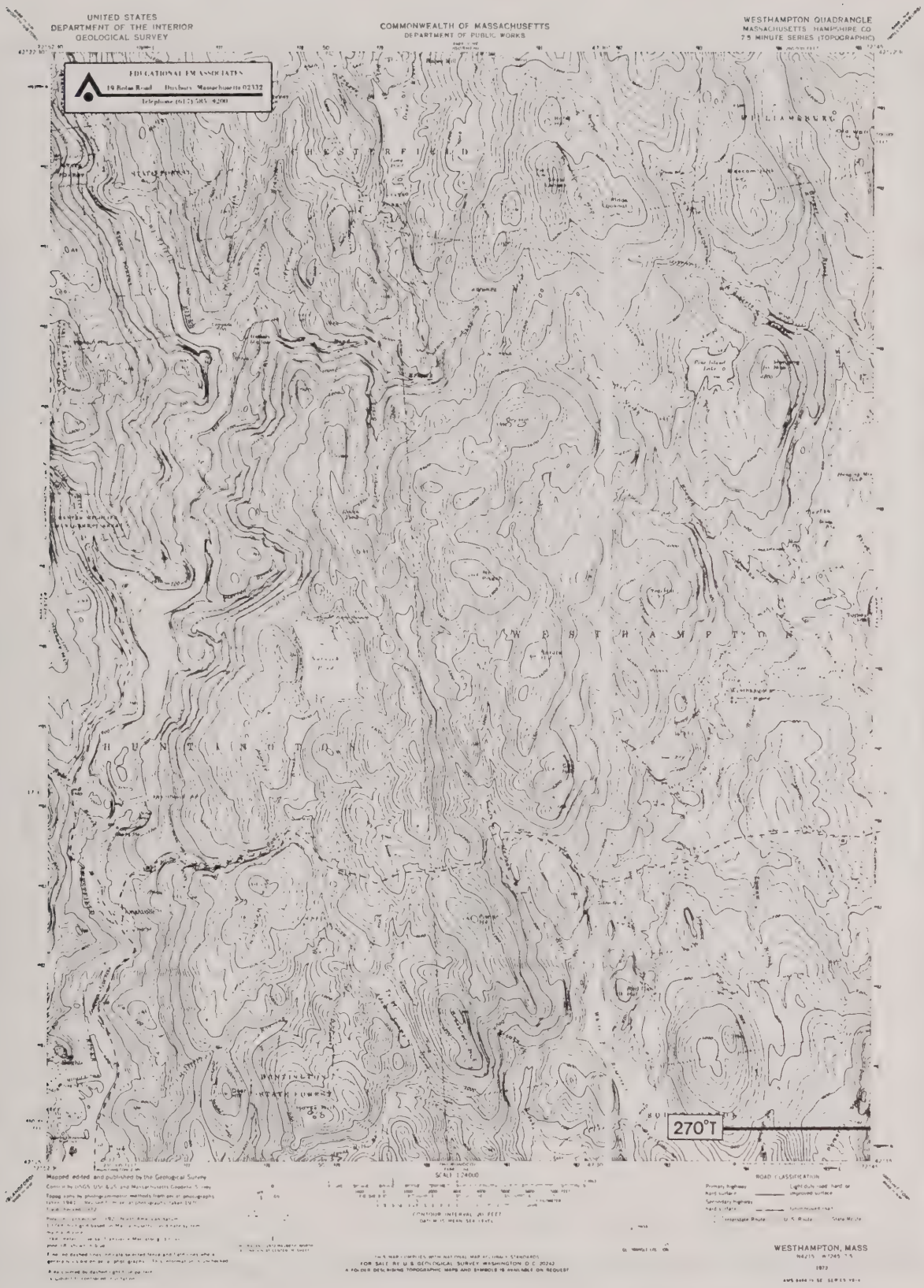

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
EASTHAMPTON QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
315°T
270°T
WILLIAMSBURG
HADLEY
NORTHAMPTON
EASTHAMPTON
EASTHAMPTON, MASS

Figure
1-3


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
WESTHAMPTON QUADRANGLE
MASSACHUSETTS HAMPSHIRE CO
7.5 MINUTE SERIES (TOPOGRAPHIC)
EDUCATIONAL FM ASSOCIATES
WILLIAMSBURG
WESTFIELD
WESTHAMPTON
HUNTINGTON
270°T
WESTHAMPTON, MASS

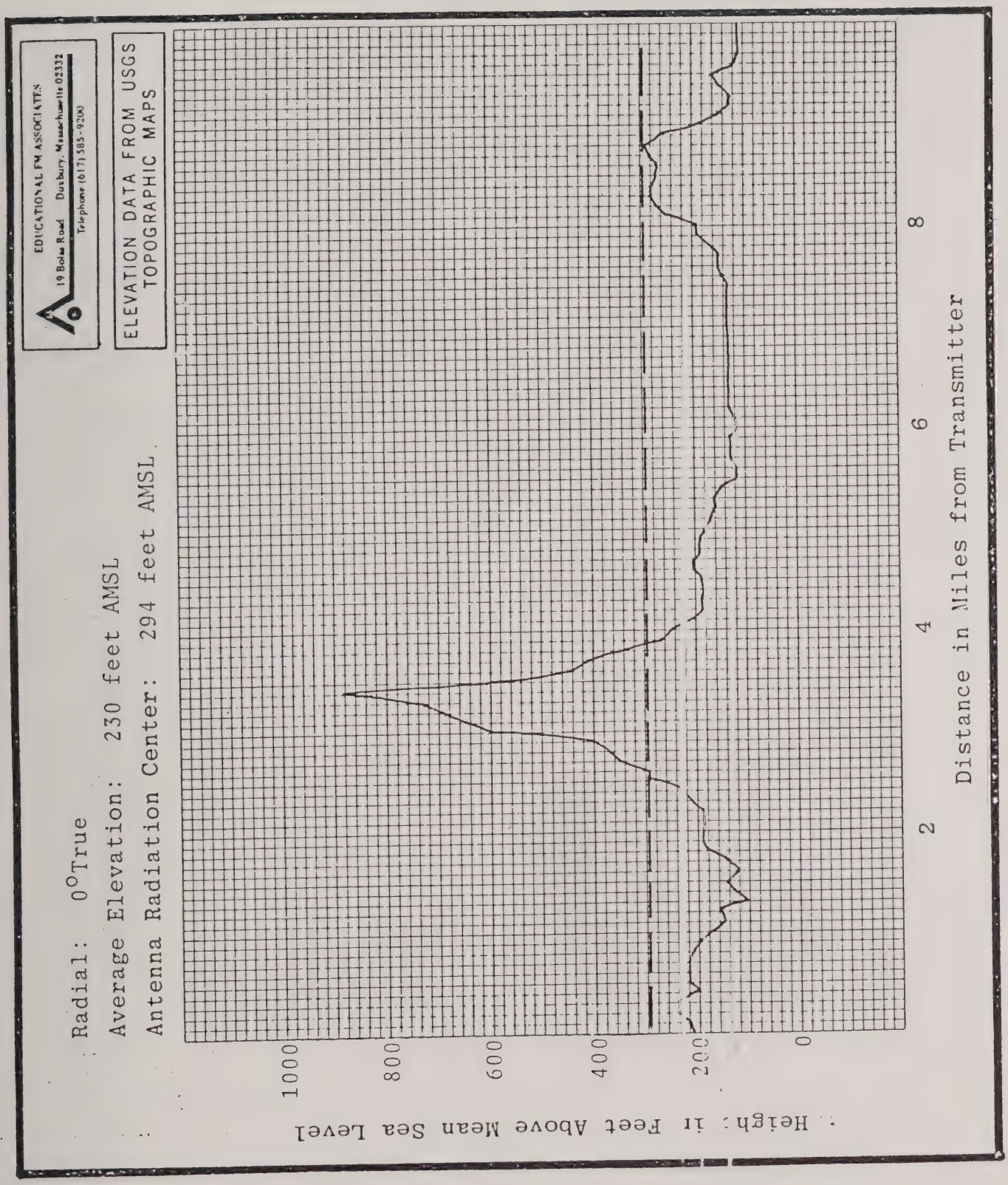
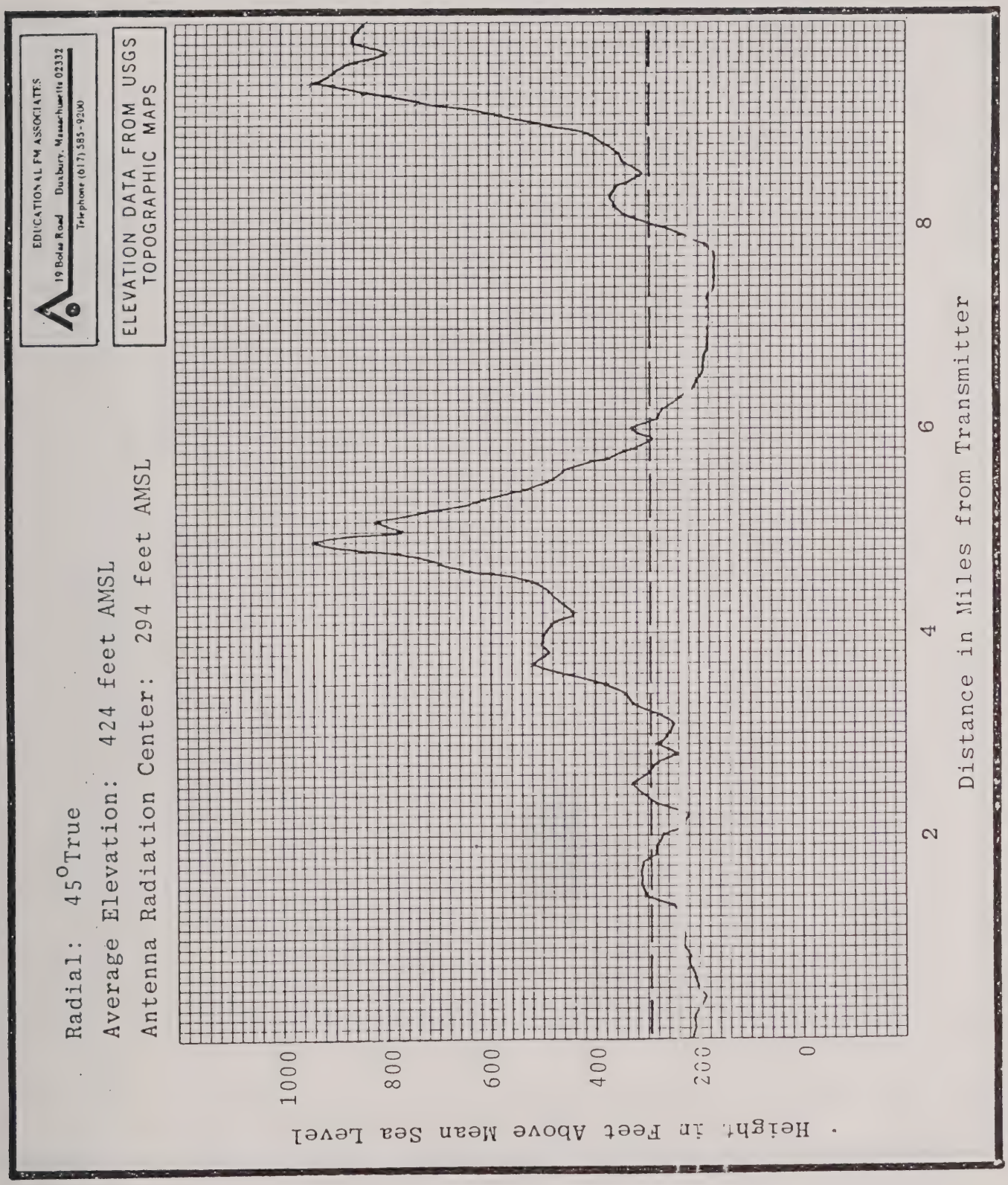


Figure 1-4. Profile Graphs of Radials Studied



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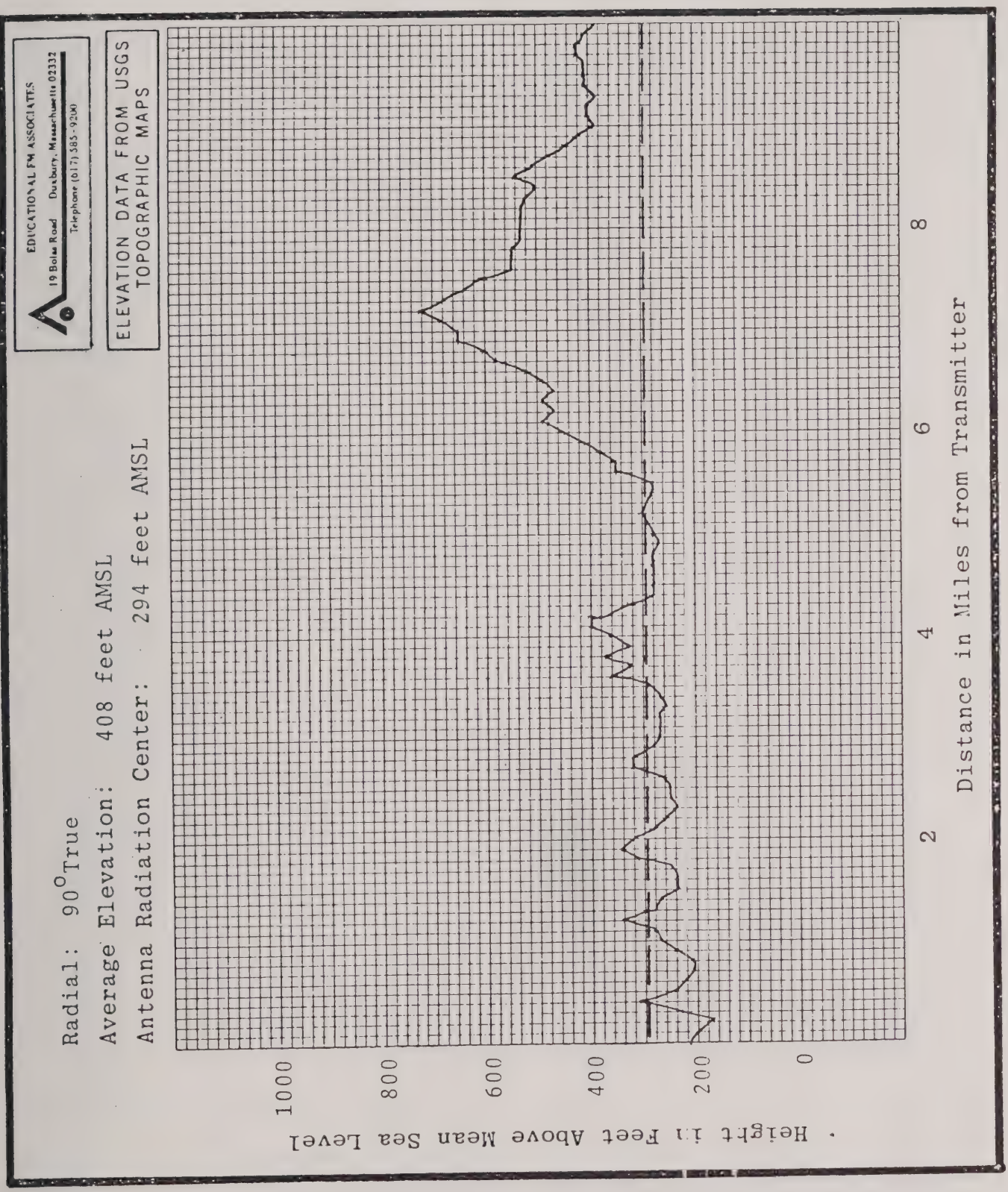

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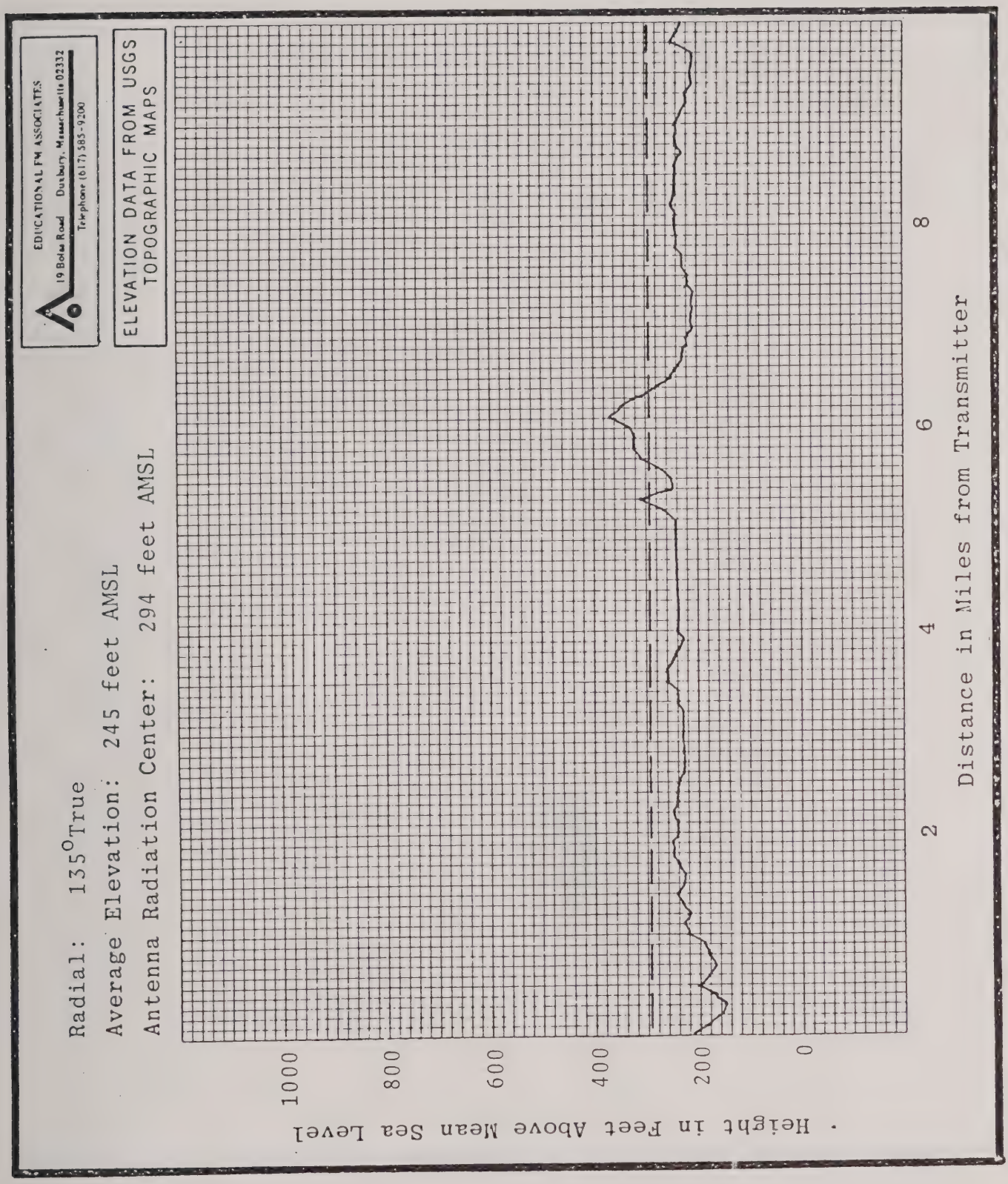
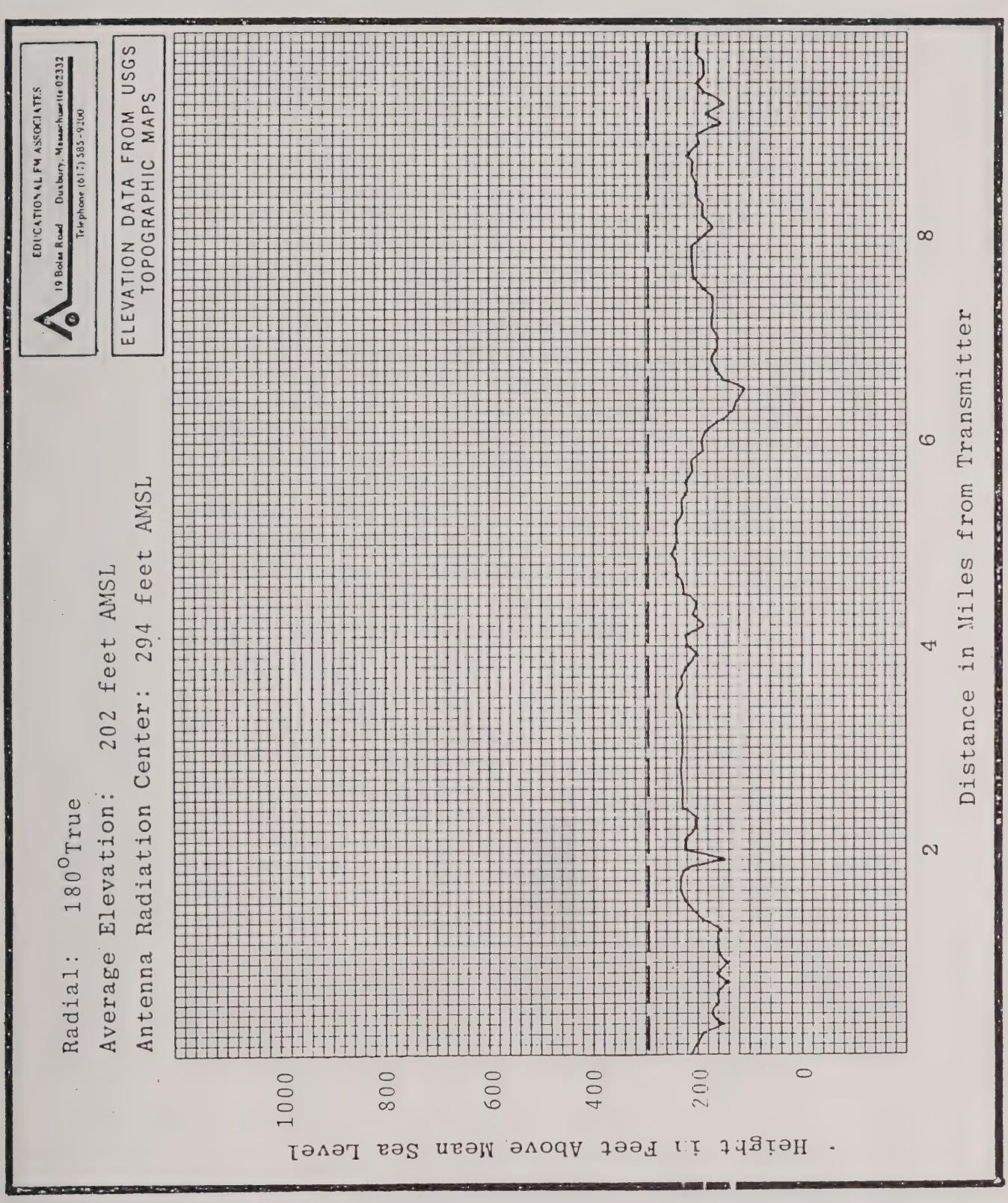


Figure 1-4. Profile Graphs of Radials Studied



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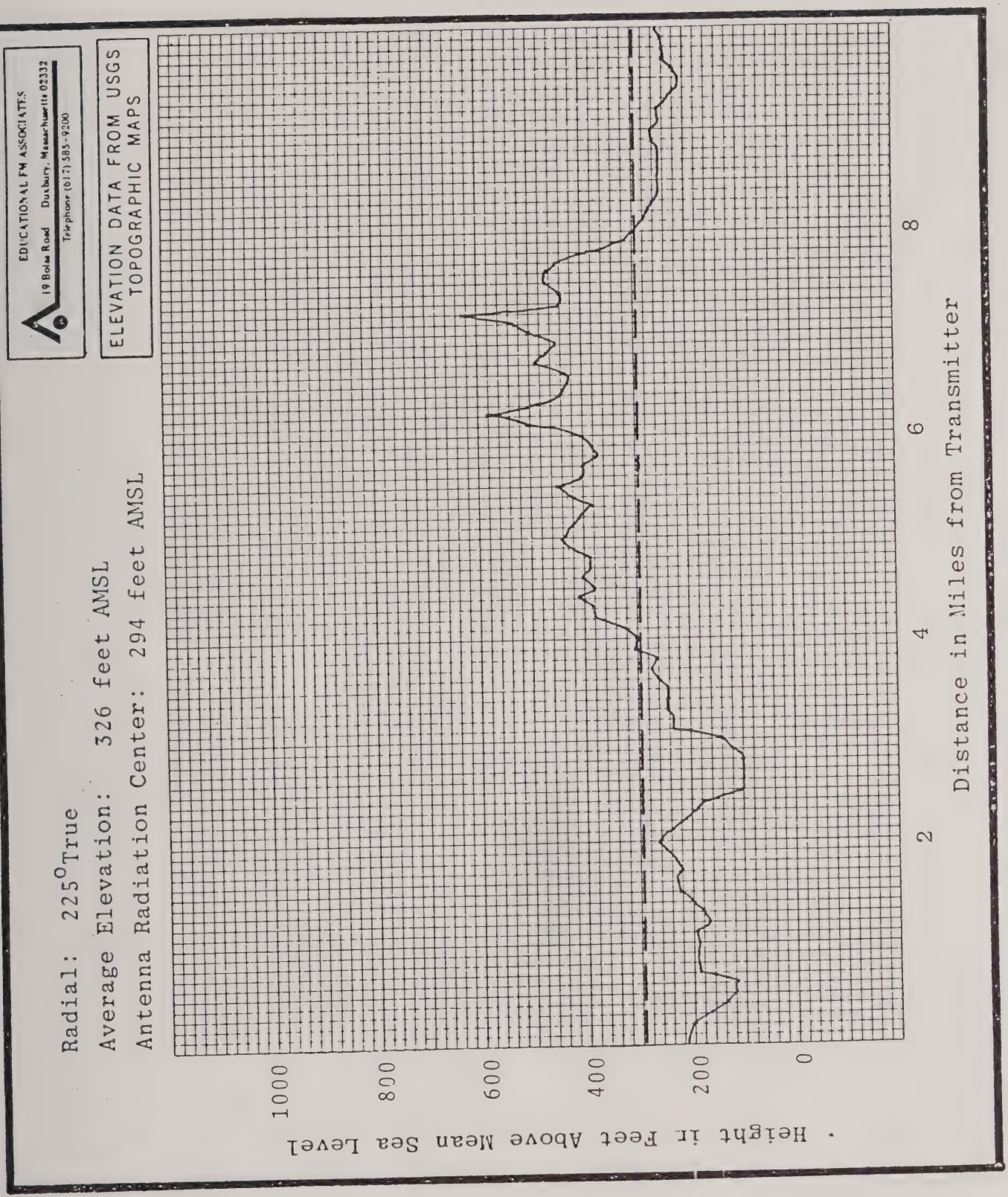

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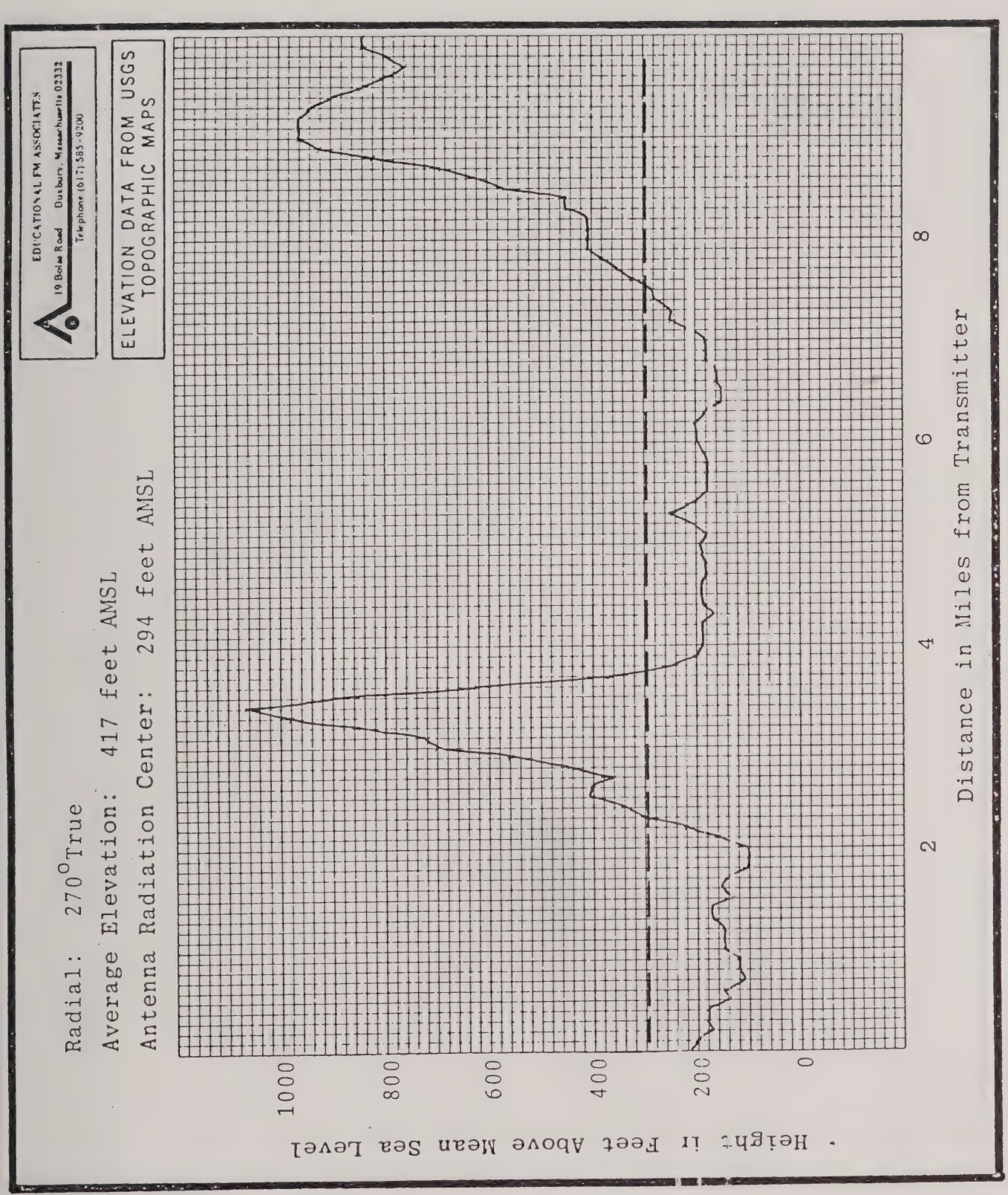

Figure 1-4. Profile Graphs of Radials Studied

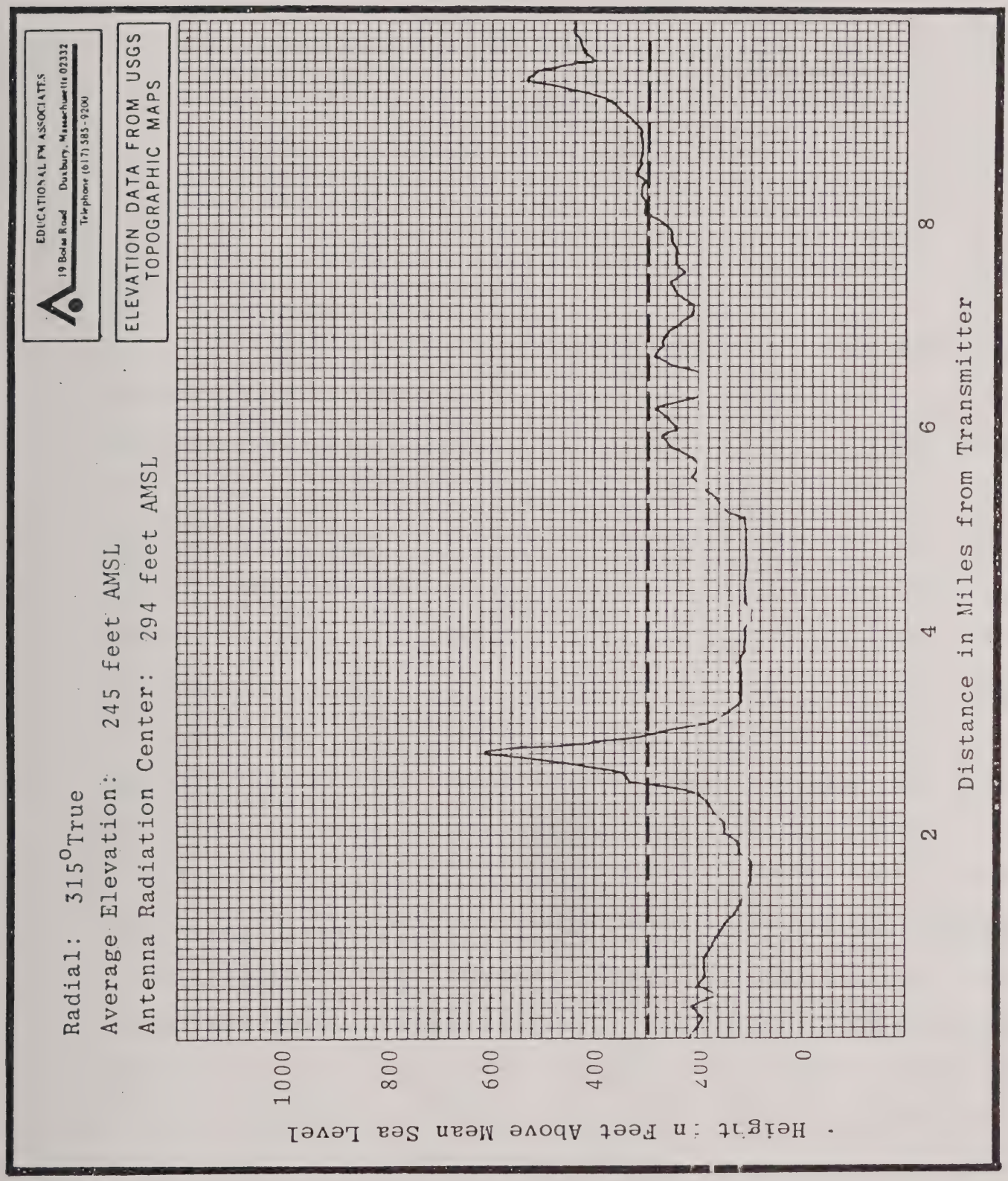

Figure 1-4. Profile Graphs of Radials Studied

Section 2

ALLOCATION STUDY

2-1 GENERAL INFORMATION

Locations of the pertinent service and interference contours were calculated as specified in Section 73.509 of the Rules of the Federal Communications Commission. Distance between facilities was obtained from measurements made on copies of the aeronautical charts of the area. All distances were verified using procedures detailed in Section 73.208(c) of the Commission's Rules. The published F(50,10) curves were used to locate interference contours which fell more than ten miles from the station involved. The F(50,50) curves were used to locate service contours and all other contours reaching less than ten miles. The F(50,10) curves do not depict distances less than ten miles; however, the F(50,10) and F(50,50) curves merge at the ten mile point. The FM curves adopted August 1, 1975, were utilized in all calculations. Terrain roughness calculations are not pertinent to Class D stations. No terrain roughness factor was applied in calculating other service and interference contours since the mandatory use of these procedures has been temporarily suspended by the Commission. When a facility under study was authorized greater than

Class D facilities, the actual height of the antenna above average terrain was taken into account when locating signal contours. When, as in most cases, the direct radial from the station under study to the proposed site was not one of those for which a height above average terrain was determined, the average terrain for the direct bearing between stations was interpolated arithmetically from data given for radials on either side. This procedure was not followed in the case of WMUA where that station's actual HAAT on the direct radial toward WMHC was determined through terrain analysis.

2-2 ALLOCATION STUDY

Table 2-1 lists facilities studied to determine that no objectionable interference will be created or received by the improved facilities proposed for Station WMHC. The required mileages shown are the minimums necessary to prevent overlap of service and interference contours of the proposed station and existing facilities and vice versa. The separation with respect to WMUA, Channel 216A in Amherst, MA, is slightly less than that required to prevent overlap of the proposed 80 dbu interference contour and the WMUA 60 dbu service contour. The interference which results is quantified on Figure 1-1 and is clearly "de minimus". Paragraph 2-2a explains the situation in detail.

Table 2-1

Detailed Allocation Study

Channel	Station	Location	Required Distance	Actual Distance
216A	WMUA	Amherst, MA	10.15 miles[1]	10.0 miles
217A	WCWL	Stockbridge, MA	19.60 miles[2]	36.9 miles
217A	WCUW	Worcester, MA	23.10 miles[3]	39.8 miles
217A	WWUH	West Hartford, CT	29.10 miles[4]	35.1 miles
218D	WSKB	Westfield, MA	13.60 miles[5]	13.8 miles
218B	WRPI	Troy, NY	55.60 miles[6]	64.8 miles
219B	WHUS	Storrs, CT	32.00 miles[7]	32.0 miles
220A	WAIC	Springfield, MA	9.00 miles[8]	9.8 miles
271B	WAQY	Springfield, MA	9.51 miles[9]	13.4 miles

[1]Please see Paragraph 2-2a for allocation data.

[2]Based on worst case for WCWL: 500 watts ERP at 400 feet HAAT.

[3]Based on worst case for WCUW: 1.0 kw ERP at 400 feet HAAT.

[4]Based on worst case for WWUH: 1.0 kw at 732 feet HAAT.

[5]Based on a 2.0 mile 60 dbu service radius for Class D station WSKB.

[6]Based on 10 kw at 133 feet HAAT for WRPI on direct 116°T bearing toward WMHC.

[7]Based on worst case for WHUS: 3.16 kw ERP at 541 feet HAAT.

[8]Based on worst case for WAIC: 250 watts ERP at 300 feet HAAT.

[9]I.F. spacing required by the Commission's Rules.

a. WMUA - Amherst, Massachusetts. WMUA operates on Channel 216A with a power of 1.0 kilowatt at a site 10.0 miles from WMHC. The location of the WMUA service and interference contours were calculated on the basis of the data in the following table. The proposed 80 dbu service contour reaches 1.15 miles on bearings toward WMUA.

Table 2-1a

WMUA Contour Locations

Radial	Power	HAAT	60 dbu*	80 dbu
180°T	1.0 kw	179 feet	8.50 miles	2.70 miles
192°T	1.0 kw	195 feet	8.85 miles	2.80 miles
197°T*	1.0 kw	202 feet	9.00 miles	2.85 miles
202°T	1.0 kw	225 feet	9.40 miles	3.00 miles
225°T	1.0 kw	330 feet	11.50 miles	3.70 miles

*Direct radial toward WMHC

The height above average terrain figures for 180°T and 225°T for WMUA were taken from that station's power increase application. The height above average terrain for the direct 197°T radial was determined by an independent study of the terrain on those bearings from two to ten miles from the WMUA antenna. Average terrain based on 81 equally spaced points was determined to be 268 feet above mean sea level on this bearing. The WMUA antenna radiation center is 470 feet above mean sea level and 202 feet above average

terrain on the direct 197°T bearing. HAAT data for the 192°T and 202°T bearings from WMUA was interpolated arithmetically between the HAAT of the 197°T radial and the WMUA 180°T and 225°T radials respectively. WMUA is 10.0 miles from WMHC. The WMUA 60 dbu service contour extends 9.0 miles on a direct bearing toward the WMHC 80 dbu interference contour which reaches 1.15 miles. Therefore, the WMHC 80 dbu contour will overlap the WMUA 60 dbu contour by 0.15 mile or 792 feet. The interference area created to WMUA by WMHC, identified on Figure 1-2 and shown in greater detail on Figure 1-1. The interference area involves less than 0.3 square miles and represents less than one quareter of one percent of the total WMUA service contour.

2-3 REQUEST FOR WAIVER

WMHC respectfully requests a waiver of the appropriate provisions of Section 73.509 of the Commission's Rules to permit creation of a small amount of interference within the normally protected 60 dbu service contour of second-adjacent channel station WMUA in Amherst, Massachusetts. Grant of the requested waiver will serve the public interest for the following reasons:

a. THE INTERFERENCE AREA INVOLVED IS "DE MINIMUS".

The overlap area (only slightly larger than the actual interference area) is quantified in large scale on Figure 1-1 and

involves approximately 0.3 square mile. Most of the area affected consists of uninhabited woodland, fields, and orchards. The Commission has, in the past, accepted interference of roughly this magnitude as unobjectionable in cases in El Cerrito, California, and at Widener College in Chester, Pennsylvania.

b. Traditional methods for locating contours indicate the WMUA 60 dbu service contour would reach 9 miles toward WMHC. However, the Mount Holyoke Mountain Range which lies between the two stations represents an effective barrier to line of sight radio signals. As a result, WMUA renders no actual 60 dbu service to the South Hadley area. Figure 2-1 shows the Mount Holyoke Range on a profile graph of the direct radial from WMUA to WMHC.

c. WMHC, in seeking a power increase, is attempting to preserve its status as the only broadcast station in the community of South Hadley. For more than 20 years, WMHC has operated successfully as a Class D station and has always cooperated fully with the efforts of other stations to improve facilities. WMHC has twice changed frequency to accommodate other stations. In 1960 WMHC changed to Channel 214D to facilitate the construction of Class B station WFCR at Amherst, also licensed to the University of Massachusetts. In 1976 WMHC again changed frequency, this time to Channel 218 to permit the expansion of Station WTCC at Springfield Technical Community College from Class D to Class B facilities.

Now WMHC must improve its own facilities and requires a minor waiver to create a small amount of interference to WMUA, licensed to the University of Massachusetts. We submit that, all mitigating technical factors aside, WMHC's record of complete cooperation with other schools in efficiently developing the educational FM spectrum in Western Massachusetts merits favorable consideration of the waiver request.

d. While a directional antenna could be used to eliminate the need for the requested waiver, such an antenna is not economically feasible for a small station like WMHC. A directional antenna would cost WMHC a minimum of $2,000 which, coupled with the cost of other technical equipment required, would price a power increase out of reach. WMHC is one of the few broadcast stations in the country operated exclusively by women and has been an effective stimulus to launching many college trained women into careers in broadcast communications. Increasing employment of women in broadcasting is one of the Commission's pressing concerns and one which can be furthered by grant of the requested waiver.

2-4 ALLOCATION CONCLUSION

The improved facilities proposed by Station WMHC will not receive objectionable interference with respect to any existing or proposed broadcast station. Contingent on grant of the requested waiver, the facilities proposed herein are, therefore, in full compliance with all applicable Commission allocation rules.

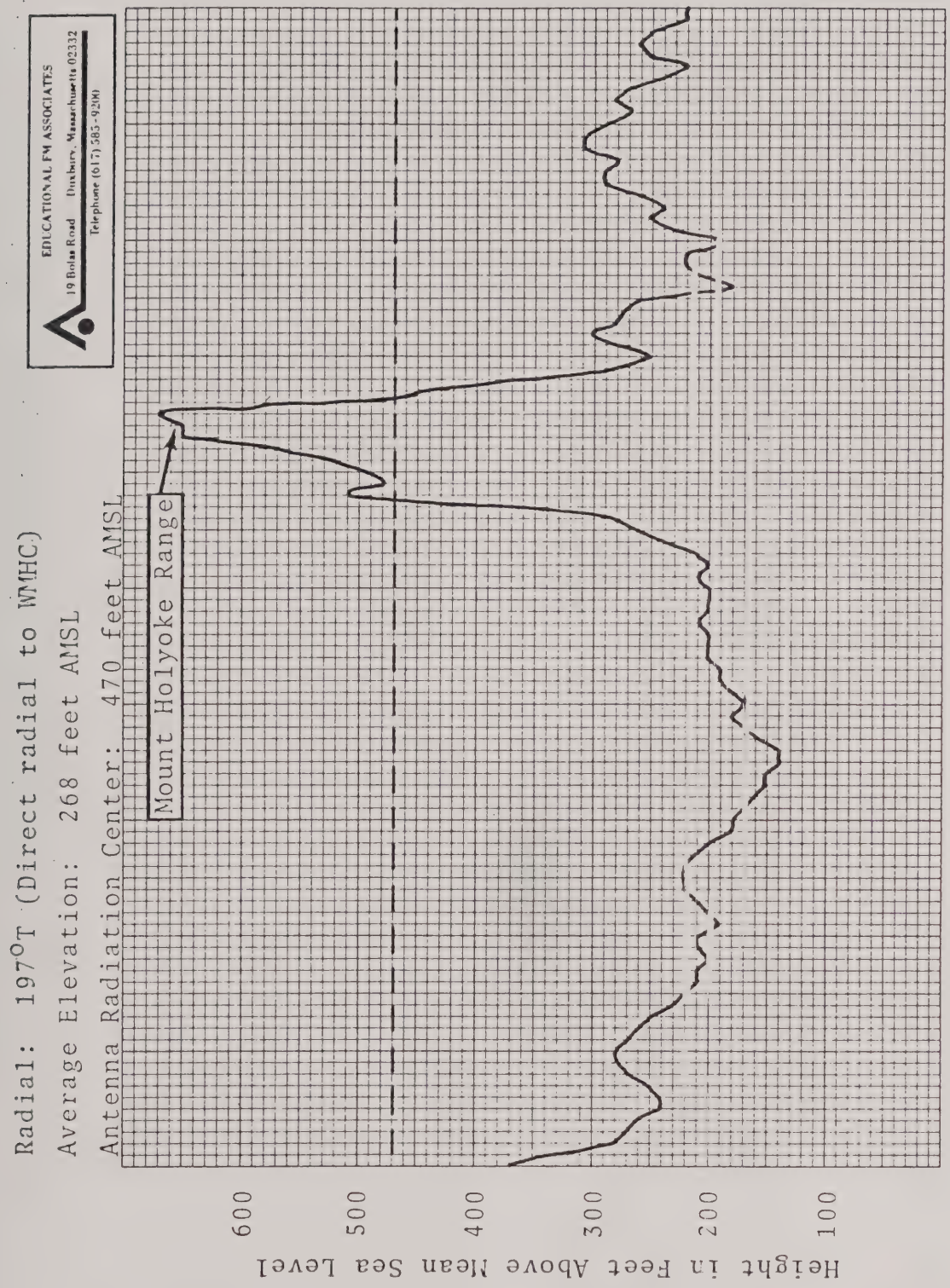

Figure 2-1. Profile Graph of Radial Studied

Section 3

STATEMENT IN LIEU OF FILING
SECTION V-G, FCC FORM 340

3-1 GENERAL

Since there will be no change in the existing antenna, its height or location, no Section V-G is being submitted as part of this report. However, all information required in this section is on file as part of an application by WMHC dated March 1976 for a construction permit to change transmitter site, which is hereby incorporated by reference into this report.

MOUNT HOLYOKE COLLEGE

REPORTS OF THE TREASURER AND COMPTROLLER

1972-1973

Exhibit Number 4
FCC Form 340
Section III, Paragraph 7c

REPORTS
FOR THE YEAR 1978-1979
THE TREASURER
AND THE COMPTROLLER

Mount Holyoke College
South Hadley, Massachusetts
October, 1979

REPORT OF THE TREASURER
FOR THE YEAR ENDING June 30, 1979

To the President and the Board of Trustees of Mount Holyoke College:

INTRODUCTION

The financial information which follows is presented in general conformity with the Financial Accounting and Reporting Chapters of College and University Business Administration (Rev. 74), except that a Statement of Current Funds Resources Used is presented rather than a Statement of Current Funds Revenue. However, Total Revenue, including Current Funds, is shown in the Statement of Changes in Fund Balances.

RESULTS OF ANNUAL OPERATIONS (CURRENT FUNDS)

Current operating expenses totaled $18,270,546, up nearly 10% over the previous year but within 1% of the budget. Fortunately, student tuition and fee income increased 11% and endowment income increased 14% over the previous year. Endowment income used totaled $3,041,441, which included a remarkable increase of $373,479 for the year. (See additional comment under ENDOWMENT FUNDS.) The above income increases permitted a reduction of $236,500 in the amount of private gift and bequest income used to balance current expenditures and mandatory transfers as compared with the previous year.

After payment of expenditures and making required transfers, there remained $818,277 of which $415,639 was used to fund Student Loan advances which had been made in previous years from Quasi (Unrestricted) Endowment Funds and $55,939 to fund current year's loans. The balance of Unrestricted Gifts or $346,699 was allocated to Unexpended Plant Funds to continue energy conservation projects and provide for building renovations.

GIFTS, GRANTS AND BEQUESTS

Private gifts, grants and bequests from all sources and for all purposes continued at a high level of $4,883,454 although somewhat below last year's peak of $5,215,378. The largest source of gifts was individual bequests which totaled $1,420,081. Alumnae giving again reached a new high which resulted in a net gift to the College of $1,107,180. The College is ever grateful for the strong financial support of its alumnae and friends. (A list of donors is shown on pages 24 through 27.)

Federal Grants for all purposes totaled $471,572, most of which was for Student Aid.

CHANGES IN FUND BALANCES (NET WORTH)

The Summary on the next page is one measure of the financial health of the College. It shows an increase in financial growth (net worth) of $4,493,271 for last year which is largely the result of private gifts, grants and bequests mentioned above. The five-year comparison reveals a leveling of the healthy trend which began in 1976.

REPORT OF THE TREASURER — Continued

CHANGES IN FUND BALANCES (NET WORTH)(Continued)

Summary of Increases in Fund Balances

	Fiscal Year Ended June 30				
	1975	1976	1977	1978	1979
Current Reserves	$ 67,798	$ 98,617	$ 134,762	$ 64,321	$ (16,692)
Restricted Funds	245,112	153,159	99,729	146,655	152,129
Student Loan Funds	131,712	196,462	206,429	213,783	162,479
Endowment & Annuity Funds	534,247	2,105,934	4,027,661	2,577,302	2,637,691
Life Income/Unitrust Funds	139,667	183,811	260,655	544,793	394,480
Plant Funds	601,249	583,725	820,741	655,557	1,163,184
Total	$1,719,785	$3,321,708	$5,549,977	$4,202,411	$4,493,271

ENDOWMENT FUNDS

Year-end market value of the Fund totaled $52,531,501 which broke the $50 million level for the first time. Increases during the year totaled $3,552,772 of which $1,377,433 came from gifts, market appreciation amounted to $1,165,049, bequests $651,461, and transfers or changes (net) added $358,829 to the Fund. Included in net transfers was the repayment of $415,639 previously advanced to Student Loan Funds.

Last year Endowment Fund income for current operations broke the $3 million level, and totaled $3,041,441. Income for current purposes has shown a remarkable increase since 1975-76 when the amount was $2,083,801. The increase in annual income in just three years of $957,640 is largely the result of many generous alumnae and friends who have contributed $7,370,264 to the Endowment Funds during this period.

The Endowment Fund earned 6.6% net on the average of beginning and ending market value last year. Market appreciation amounted to 2.3% which results in a total return of 8.9%. This approximated the performance of the Dow-Jones Industrial Average for the same period.

During the year the portfolio balance was shifted by reducing short-term investments approximately 6% and increasing both longer term bonds and stock equivalent convertible bonds.

LIFE INCOME FUNDS

The market value of the Life Income Funds on June 30, 1979 was $2,901,554. The unit market of $1.036 at year end is an increase of 1.9% which is an improvement over last year when the unit market value decreased by 7.9%. Income per unit remained steady at $.072. This is a yield of 7.0% on the average of the beginning and ending market values.

FINANCIAL STATEMENTS

The financial statements which follow have been prepared by the Comptroller and examined by Coopers and Lybrand, Certified Public Accountants, whose report appears on page 13. The more detailed financial information in these statements is supplemented by several important Notes to Financial Statements beginning on page 10.

Respectfully submitted,

Merrill Ewing

October 17, 1979

Treasurer and Business Manager

REPORT OF THE COMPTROLLER
FOR THE YEAR ENDED June 30, 1979

I submit the following financial statements and supporting schedules for the fiscal year ended June 30, 1979:

	PAGE
Statement of Current Funds Resources Used, Expenditures and Mandatory Transfers	5
Balance Sheet	6
Statement of Changes in Fund Balances	8
Notes to Financial Statements	10
Auditors Report	13
Summary of Stocks, Bonds and Other Investments	
Endowment and Similar Funds	14
Life Income Funds	20
Private Gifts, Grants and Bequests	24

Respectfully submitted,

Earl N. Drogue

Comptroller

STATEMENT OF CURRENT FUNDS RESOURCES USED, EXPENDITURES AND MANDATORY TRANSFERS

FOR YEARS ENDED June 30, 1979 and 1978

	1978-79			1977-78
RESOURCES USED	Unrestricted	Restricted	Total	Total
Educational and General:				
Student Tuition and Fees	$ 8,341,442		$ 8,341,442	$ 7,509,979
Federal Grants	14,626	$ 434,543	449,169	446,253
Private Gifts and Grants*	574,888	552,483	1,127,371	1,363,871
Endowment Income	1,640,744	1,400,697	3,041,441	2,667,962
Current Investment Income	328,277		328,277	245,225
Other Sources	179,101		179,101	151,774
Total Education and General	11,079,078	2,387,723	13,466,801	12,385,064
Auxiliary Enterprises:				
Residence Halls and Food Service	3,926,543		3,926,543	3,494,651
Other Activities	877,202		877,202	750,312
Total Resources Used	$15,882,823	$2,387,723	$18,270,546	$16,630,027
EXPENDITURES AND MANDATORY TRANSFERS				
Educational and General:				
Instruction and Departmental Research	$ 4,597,740	$ 743,760	$ 5,341,500	$ 4,910,899
Organized Activities Related to Educational Departments	92,158	39,816	131,974	85,929
Cause Grant		31,338	31,338	174,923
Sponsored Research		194,485	194,485	95,571
Extension and Public Service	106,160	85,286	191,446	128,875
Libraries	613,809	62,417	676,226	632,043
Student Services	1,198,577	14,724	1,213,301	1,082,160
Operation and Maintenance of Plant	2,130,115	12,905	2,143,020	1,896,687
General Administration	570,769	12,620	583,389	574,740
General Institutional	1,075,237	14,479	1,089,716	910,881
Student Aid	506,574	1,081,726	1,588,300	1,464,257
Other Activities	8,914	20,082	28,996	25,935
Total Educational and General	$10,900,053	$2,313,638	$13,213,691	$11,982,900
Auxiliary Enterprises:				
Expenditures:				
Residence Halls and Food Service	3,709,614	68,622	3,778,236	3,481,462
Other Activities	1,101,993	5,463	1,107,456	993,401
Mandatory Transfers for:				
Principal and Interest	171,163		171,163	172,264
Total Auxiliary Enterprises	4,982,770	74,085	5,056,855	4,647,127
Total Expenditures and Mandatory Transfers	$15,882,823	$2,387,723	$18,270,546	$16,630,027

*Total Private Gifts and Grants are shown on the Statement of Changes in Fund Balances (pages 8-9).

The accompanying notes are an integral part of the financial statements

BALANCE SHEET

June 30, 1979

with comparative figures at June 30, 1978

ASSETS

	1979	1978
Current Funds		
Unrestricted:		
Cash and Short Term Investments (Includes $135,000 at interest in 1979 - $715,000 in 1978)	$ 139,181	$ 715,109
Deposits Under Bond Indentures (at interest)	894,739	765,336
Accounts and Notes Receivable, Less Allowance of $26,464 in 1979 - $35,310 in 1978	978,593	592,508
Inventories, at Cost	306,151	264,491
Prepaid Expenses and Deferred Charges	234,496	247,469
Temporary Investment in Real Estate	113,959	81,167
Due from Other Funds	68,990	58,192
Total Unrestricted	2,736,109	2,724,272
Restricted:		
Short Term Investments	1,724,842	1,618,181
Accounts Receivable	59,032	16,730
Total Restricted	1,783,874	1,634,911
Total Current Funds	$ 4,519,983	$ 4,359,183
Loan Funds		
Loans to Students, Less Allowance of $42,000 in 1979 - $42,000 in 1978	$ 2,183,132	$ 2,020,653
Total Loan Funds	$ 2,183,132	$ 2,020,653
Endowment and Similar Funds		
Cash	$ 1,075,669	$ 90,660
Investments (Approximate Market Value $51,455,832; 1978 - $48,962,742)	48,849,881	47,271,872
Due from Plant Funds		237,219
Due from Other Funds (Net)		10,646
Total Endowment and Similar Funds	$49,925,550	$47,610,397
Life Income and Unitrust Funds		
Life Income Funds: Cash	$ 3,780	$ 10,075
Investment (Approximate Market Value $2,897,774; 1978 - $2,411,205)	2,804,899	2,398,372
Total Life Income Funds	2,808,679	2,408,447
Unitrust Funds:		
Cash	2,348	514
Investments (Market Value $239,858; 1978 - $295,682)	245,069	263,301
Total Unitrust Funds	247,417	263,815
Total Unitrust and Life Income Funds	$ 3,056,096	$ 2,672,262
Plant Funds		
Unexpended: Cash and Short Term Investments (Includes $1,097,200 at Interest in 1979 - $397,000 in 1978)	$ 1,159,563	$ 667,373
Total Unexpended	1,159,563	667,373
Renewal and Replacement:		
Deposits with Trustees	384,355	442,205
Total Renewal and Replacement	384,355	442,205
Investment in Plant: Land and Land Improvements	731,227	731,227
Buildings	24,288,386	24,149,714
Equipment	1,873,238	1,797,302
Construction in Progress	396,201	117,941
Total Investment in Plant	27,289,052	26,796,184
Total Plant Funds	$28,832,970	$27,905,762

The accompanying notes are an integral part of the financial statements

BALANCE SHEET

June 30, 1979

with comparative figures at June 30, 1978

LIABILITIES AND FUND BALANCES

	1979	1978
Current Funds		
Unrestricted:	$	
Accounts Payable and Accrued Liabilities	586,116	$ 497,650
Student and Other Deposits	234,265	285,337
Deferred Revenue	534,865	543,730
	1,355,246	1,326,717
Reserves: Tuition Stabilization	668,958	668,958
Deferred Maintenance	147,589	224,143
Endowment Income Stabilization	86,224	87,834
Other	478,092	416,620
Total Fund Balance - Reserves	1,380,863	1,397,555
Total Unrestricted	2,736,109	2,724,272
Restricted:		
Accounts Payable	32,029	35,195
Fund Balances	1,655,221	1,505,699
Endowment Income Stabilization Reserve	96,624	94,017
Total Restricted	1,783,874	1,634,911
Total Current Funds	$ 4,519,983	$ 4,359,183
Loan Funds		
Fund Balance: Federal Grants Refundable	$ 1,083,854	$ 1,043,598
College Funds Restricted	1,099,278	977,055
Total Loan Funds	$ 2,183,132	$ 2,020,653
Endowment and Similar Funds		
Due to Banks		$ 322,538
Fund Balances: Endowment - Income Unrestricted	$10,333,915	8,868,357
- Income Restricted	23,311,685	23,323,955
Term Endowment: Class Reunion Funds	438,800	487,587
Founders Fund - Alumnae	206,770	208,435
Quasi Endowment - Unrestricted	14,309,548	13,096,110
Annuities - Fund Balances and Payable	1,324,832	1,303,415
Total Endowment and Similar Funds	$49,925,550	$47,610,397
Life Income and Unitrust Funds		
Life Income Funds:		
Due to Other Funds		$ 10,646
Fund Balances	$ 2,808,679	2,397,801
Total Life Income Funds	2,808,679	2,408,447
Unitrust Funds:		
Fund Balances	247,417	263,815
Total Unitrust Funds	247,417	263,815
Total Unitrust and Life Income Funds	$ 3,056,096	$ 2,672,262
Plant Funds		
Unexpended:		
Fund Balances - Restricted	$ 294,495	$ 78,222
Unrestricted	865,068	589,151
Total Unexpended	1,159,563	667,373
Renewal and Replacement:		
Fund Balances - Restricted	384,355	442,205
Total Renewal and Replacement	384,355	442,205
Investment in Plant: Due to Other Funds (Net)	68,990	58,192
Accounts Payable	73,113	4,668
Due to Endowment and Similar Funds		237,219
Bonds Payable	2,838,000	2,916,000
Fund Balances	24,308,949	23,580,105
Total Investment in Plant	27,289,052	26,796,184
Total Plant Funds	$28,832,970	$27,905,762

STATEMENT OF CHANGES IN FUND BALANCES

Year ended June 30, 1979

	Current Funds			Loan
	Unrestricted	Restricted	Total	Funds
Revenues and Other Additions:				
Tuition and Fees Income	$ 8,341,442		$ 8,341,442	
Auxiliary Enterprises Revenues	4,803,745		4,803,745	
Investment Income	1,976,248	$1,674,006	3,650,254	
Federal Grants	14,626	413,278	427,904	$ 43,668
Private Gifts, Grants and Bequests	1,977,723	571,823	2,549,546	3,555
Other Revenues	179,101	18,017	197,118	1,016
Interest on Student Loans				76,234
Expended for Plant Facilities				
Retirement of Indebtedness - Dorm Bonds				
Repayment of Plant Borrowings from Endowment and Similar Funds				
Realized Gain on Sale of Investments Added to Reserves		2,607	2,607	
Total Revenues and Other Additions	17,292,885	2,679,731	19,972,616	124,473
Expenditures and Other Deductions:				
Educational and General Expenditures	10,900,053	2,387,723	13,287,776	
Auxiliary Enterprises Expenditures	4,811,607		4,811,607	
Payments to Annuitants				
Student Loan Cancellations and Expense				26,814
Expended for Plant Facilities and Repairs				
Retirement of Indebtedness - Dorm Bonds				
Repayment of Plant Borrowings from Endowment and Similar Funds				
Interest on Indebtedness				
Realized Loss on Sale of Investments	10,179		10,179	
Other Expenditures and Deductions	16,692	37,742	54,434	2,607
Total Expenditures and Other Deductions	15,738,531	2,425,465	18,163,996	29,421
Transfers Among Funds-Additions (Deductions)				
Mandatory Renewals and Replacement and Debt Service	(171,163)		(171,163)	
Funds Released from Annuities, Life Income, Class Funds and Unitrusts	68,801		68,801	
Endowment Income Transfers		(102,137)	(102,137)	11,488
Funds for Use in Student Loan Programs	(471,578)		(471,578)	471,578
Repayment of Prior Year Borrowings for Student Loan Programs				(415,639)
Unrestricted Bequests and Gifts Each in Excess of $10,000 Transferred to Endowment and Similar Funds	(651,461)		(651,461)	
Transfer of Funds Temporarily Held in Endowment Funds Pending Determination of Use				
Balance of Unrestricted Gifts Allocated	(346,699)		(346,699)	
Other Transfers (Net)	1,054		1,054	
Total Transfers	(1,571,046)	(102,137)	(1,673,183)	67,427
Net Increase (Decrease) for the Year	(16,692)	152,129	135,437	162,479
Fund Balances at Beginning of Year	1,397,555	1,599,716	2,997,271	2,020,653
Fund Balances at End of Year	$ 1,380,863	$1,751,845	$ 3,132,708	$2,183,132

The accompanying notes are an integral part of the financial statements

STATEMENT OF CHANGES IN FUND BALANCES

Year ended June 30, 1979

Endowment and Similar Funds	Life Income and Unitrust Funds	Plant Funds		
		Unexpended	Renewal and Replacement	Investment in Plant
$ 62,099	$ 199,785	$ 46,010	$ 31,705	
1,377,433	436,926	515,994		$ 75,935
1,054		10,000		
				337,690
				78,000
				237,219
249,968	43,646			
1,690,554	680,357	572,004	31,705	728,844
62,099	204,290			
		337,690	89,555	
		78,000		
		237,219		
		93,163		
	9,580	1,923		
346				
62,445	213,870	747,995	89,555	
		171,163		
(93,833)	(72,007)	97,039		
89,917		732		
415,639				
651,461				
(52,548)		52,548		
		346,699		
(1,054)				
1,009,582	(72,007)	668,181		
2,637,691	394,480	492,190	(57,850)	728,844
47,287,859	2,661,616	667,373	442,205	23,580,105
$49,925,550	$ 3,056,096	$1,159,563	$384,355	$24,308,949

NOTES TO FINANCIAL STATEMENTS

1. Accounting Policies

a. General

In order to ensure observance of limitations and restrictions placed on the use of resources, the accounts are maintained in accordance with the principles of fund accounting. The financial statements have been prepared on the accrual basis except for investment income which is recorded on the cash basis.

b. Investments and Investment Income

Investments are carried at cost. Securities received as gifts are recorded at the market value on the date of the gift.

Endowment and life income funds share in separate pooled investments on a unit value basis. Funds are added and withdrawn from each pool at their share of the current market value of the pooled assets.

Interest and dividend income is distributed to the endowment funds at a predetermined rate set annually on a unit share basis. The rate is based on estimates of the actual income expected. The difference between the estimates and the amounts received is charged or credited to the income stabilization reserves. The difference has not been significant.

c. Plant Assets

The College follows a policy of capitalizing new buildings, including equipment, at cost. Replacement equipment is expensed. Library books are not capitalized. No allowance is made for depreciation of plant buildings and equipment.

d. Gifts and Bequests

Unrestricted gifts and bequests of $10,000 and over are transferred to quasi-endowment funds. The total of such gifts and bequests amounted to $651,461 (1978 - $146,199).

The College utilizes unrestricted gifts and bequests under $10,000 to meet operating expenses. The unused portion of the unrestricted gifts and bequests under $10,000 for the year 1979 was $818,277. For the year 1978, the unused portion was $289,219.

In 1979, the unused portion of $818,277 was transferred to other funds as follows:

To loan funds for current year loans	$ 55,939
To loan funds for prior years loans to replace temporary borrowing from quasi-endowment funds	415,639
To unexpended plant funds	346,699
Total	$818,277

In May 1978 the College received a bequest of three parcels of land, appraised for approximately $300,000, as a distribution of an estate settlement. According to the terms of the will, the proceeds of any sales are restricted to establishing an endowment fund for student scholarships. The College is presently negotiating the sales of the parcels and will record the gift at the net proceeds when sale is completed.

NOTES TO FINANCIAL STATEMENTS — Continued

2. Market Value Changes of Endowment and Similar Funds

The changes in the market value of Endowment and Similar Funds were as follows for the years ended June 30:

	1979	1978
Market value, beginning of year	$48,978,729	$48,865,035
Net gain (loss) on investments		
Unrealized	915,081	(2,463,608)
Realized	249,968	(38,393)
	1,165,049	(2,502,001)
Gifts	1,377,433	2,716,216
Investment income	62,099	50,893
Annuity payments	(62,099)	(50,893)
Transfers and other changes (including bequests of $651,461)	1,010,290	(100,521)
Market value, end of year	$52,531,501	$48,978,729
Market value per unit at end of year	1.057	1.033
Earnings per unit for the year	.069	.064
Endowment and similar funds stated at market value		
Endowment - Income Unrestricted	$13,586,827	$12,047,388
- Income Restricted	25,000,496	24,372,111
Term Endowment	534,748	566,435
Quasi-endowment	12,241,285	10,864,808
Annuities	1,168,145	1,127,987
	$52,531,501	$48,978,729

3. Dormitory and Dining Facilities Bonds

Certain securities in the endowment fund with a cost of $939,095 are held in escrow pursuant to the terms of bond indentures.

The dormitory and dining facilities bonds are serial bonds maturing from 1969 to 2006, with interest from 3% to 3-5/8%. Certain of the serial bonds are subject to redemption prior to maturity at a reducing premium from 3% to 1%.

Certain land and buildings are pledged as collateral on these bonds.

4. Retirement Plans

The College contributed $426,221 in fiscal 1979 ($413,499 in fiscal 1978) to the retirement plans for faculty and key administrative employees based upon a percentage of salaries. For other employees, the College has a contributory plan, administered by an insurance company, providing benefits based on length of service and level of salary. The College's expense for the year under this plan was $100,001 ($82,134 in fiscal 1978) which includes amortization of prior service cost over a twenty-one year period. The net assets of the pension fund exceeded the actuarially computed value of vested benefits at June 30, 1979 by approximately $7,000.

NOTES TO FINANCIAL STATEMENTS — Concluded

5. Analysis of Changes in Unrestricted Current Fund Balances

	Unrestricted Current Fund Reserves				
	Tuition Stabilization	Deferred Maintenance	Endowment Income Stabilization	Other	Total
Balances July 1, 1978	$668,958	$224,143	$87,834	$416,620	$1,397,555
Excess of distributions over unrestricted investment income earned			(1,610)		(1,610)
Provisions to reserves charged to operations		200,000		50,000	250,000
Repairs and renovations to existing plant		(276,554)			(276,554)
Other additions to other reserves				11,472	11,472
Balances June 30, 1979	$668,958	$147,589	$86,224	$478,092	$1,380,863

6. Pledges

Pledges totalling $1,255,000 of which $278,000 are restricted for building funds are due to be collected over the next several years. It is not practical to estimate the net realizable value of such pledges.

7. Annuity Funds

Based on the life expectancies of Annuitants, the College has a projected payment, adjusted for present values of approximately $540,373.

8. Funds held in Trust by Others

The College has an interest in certain funds held in trust and administered by others. Receipts in the amount of $42,343 were recorded during the fiscal year. The estimated market value of the funds reported by those administering them was approximately $610,256 at June 30, 1979.

9. Interest on Advance from Endowment Funds

Interest is paid on the advance from Endowment and Similar Funds to Plant Funds at the current rate of income earned by the Endowment Pool. Interest in the amount of $14,886 (1978 - $25,614) was charged to Auxiliary Enterprises expense for this purpose.

COOPERS & LYBRAND

CERTIFIED PUBLIC ACCOUNTANTS

IN PRINCIPAL AREAS
OF THE WORLD

To the Board of Trustees of
Mount Holyoke College

We have examined the balance sheet of Mount Holyoke College as of June 30, 1979 and the related statement of changes in fund balances (including the current fund revenues, expenditures, mandatory transfers and other changes) and the statement of current funds expenditures, mandatory transfers and resources used for the year then ended (pages 5-12). Our examination was made in accordance with generally accepted auditing standards and, accordingly, included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances. We previously examined and reported upon the financial statements of the College for 1978. Totals for that year are included in condensed form for comparative purposes only.

In our opinion, the aforementioned statements present fairly the financial position of Mount Holyoke College at June 30, 1979 and the changes in fund balances (including the current fund revenues, expenditures, mandatory transfers and other changes) and the current funds expenditures, mandatory transfers and resources used for the year ended June 30, 1979, in conformity with generally accepted accounting principles applied on a consistent basis.

Coopers & Lybrand

Boston, Massachusetts
September 14, 1979

ENDOWMENT AND SIMILAR FUNDS

Summary of Stocks, Bonds, and Other Investments

June 30, 1979

		Book Value	Market Value
Fixed Income Securities			
Short Term Investments	A	$ 5,409,869	$ 5,397,341
Medium Term Bonds		3,358,669	3,303,765
Long Term Bonds		9,584,895	9,541,312
Convertible Bonds and Preferred Stocks		3,553,872	3,439,988
Veterans Administration Mortgages		752,039	600,528
College Faculty and Staff Mortgages		1,657,210	1,657,210
		$24,316,555	$23,940,144
Common Stocks			
Banking and Credit		2,262,369	2,465,242
Drugs and Toiletries		3,856,245	3,412,829
Food and Beverage		737,125	761,250
Household Products		1,365,489	1,536,605
Insurance		1,042,033	1,200,000
Recreation and Service		615,100	685,000
Business Equipment	B	2,285,388	3,179,134
Automobile		1,375,177	1,255,941
Chemicals		19,935	11,627
Forest Products		788,778	799,145
Mining and Metals		2,812,589	2,946,750
Petroleum	C	3,987,738	4,981,787
Transportation		511,500	628,125
Public Utilities, Communications		796,341	1,064,669
Public Utilities, Electric		1,297,256	1,358,222
Public Utilities, Gas		548,435	997,500
Miscellaneous Securities		904	938
		24,302,402	27,284,764
Other Assets		230,924	230,924
Total Stocks, Bonds and Other Investments		$48,849,881	$51,455,832

A Includes $50,000 U.S. Treasury Notes 8%, due 5/31/80 deposited with trustee as dormitory mortgage bond collateral.

B Includes 3,750 shares of International Business Machines common stock deposited with trustee as dormitory mortgage bond collateral.

C Includes 18,564 shares of Exxon Corporation common stock deposited with trustee as dormitory mortgage bond collateral.

ENDOWMENT AND SIMILAR FUNDS

Schedule of Stocks, Bonds, and Other Investments

June 30, 1979

		Book Value	Market Value
	SHORT TERM INVESTMENTS		
$ 5,000	Southern Bell Telephone & Telegraph Deb 3.000% July 1, 1979.....	$ 5,075	$ 5,000
987,000	Sears Roebuck Acceptance 9.250% July 2, 1979.....	987,000	987,000
1,000,000	Cleveland Trust Certificate of Deposit 11.150% July 17, 1979.....	1,000,000	1,000,000
1,000,000	Pittsburgh National Bank Certificate of Deposit 10.650% July 30, 1979....	1,000,000	1,000,000
425,000	Northern Trust Co. Certificate of Deposit 10.650% August 27, 1979.....	425,000	425,000
188,000	Sears Roebuck Acceptance 9.625% August 27, 1979.....	188,000	188,000
500,000	Ford Motor Credit Note 7.375% March 24, 1980.....	500,000	490,000
50,000	U.S. Treasury Notes 8.000% May 31, 1980.....	49,919	49,500
700,000	Arco Pipeline GTD Notes 8.700% November 1, 1981.....	691,005	689,500
400,000	Canada Government 9.000% October 15, 1983.....	394,620	394,000
100,000	Southern Rwy Equip Tr Ser 76 7.750% January 15, 1984.....	93,588	95,500
10,000	Quebec Hydro Elec USP NC 69 5.000% July 15, 1984.....	10,000	8,050
6,580	Scudder Managed Reserves, Inc.....	65,662	65,791
		$5,409,869	$5,397,341
	MEDIUM TERM BONDS		
1,000,000	U.S. Treasury Notes 8.250% August 15, 1985.....	$ 991,797	$ 980,000
500,000	Continental Illinois Conv Fl Notes 10.600% May 1, 1987.....	499,925	495,000
300,000	First International Bancshares Conv Fl Notes 10.650% August 1, 1987.....	300,000	296,625
1,250,000	U.S. Treasury Notes 8.750% November 15, 1988.....	1,230,273	1,250,000
201,000	Quebec Hydro-Elec USP 5.000% February 15, 1988.....	196,730	143,715
140,000	Northwest Bancorporation Conv Fl Note 11.000% May 1, 1989.....	139,944	138,425
		$3,358,669	$3,303,765

ENDOWMENT AND SIMILAR FUNDS

Schedule of Stocks, Bonds, and Other Investments — Continued

June 30, 1979

	LONG TERM BONDS	Book Value	Market Value
$ 110,000	Canadian Pacific Rwy Perpetual Deb 4.000%.....	$ 47,713	$ 49,225
1,075,000	U.S. Treasury Bonds 8.625% August 15, 1993.....	1,070,284	1,053,500
800,000	Canadian Pacific SF Coll 10.350% December 1, 1994.....	778,594	812,000
500,000	General Motors Acc Corp F/R 7.850% November 1, 1998.....	443,690	437,500
150,000	Inland Steel 1st Mtg 8.875% April 15, 1999.....	150,322	144,000
500,000	Digital Equipment Conv Sub Deb 4.500% December 15, 2002.....	506,250	575,000
500,000	Atlantic Rechfield Deb 7.750% December 15, 2003.....	477,155	437,500
200,000	General Electric Deb 8.500% May 1, 2004.....	201,030	194,000
900,000	Province of Ontario Deb FR 10.250% October 1, 2004.....	917,625	931,500
200,000	DuPont, E.I. de Nemours & Co. Deb 8.450% November 15, 2004.....	199,000	191,000
500,000	General Motors SF Deb 8.625% April 1, 2005.....	497,500	490,000
150,000	Inland Steel 1st Mtg SERR 7.900% January 15, 2007.....	139,292	130,500
749,241	Gov National Mtg Assn Pool #30068 9.000% April 15, 2009.....	704,241	716,462
1,000,000	Gov National Mtg Assn Pool #31814 9.000% May 15, 2009.....	940,625	956,250
25,000	Bell Telephone Co of Pa F/R 8.000% August 1, 2009.....	22,481	22,125
50,000	New Jersey Bell Telephone DB FR 7.250% April 1, 2011.....	39,491	40,500
450,000	New Jersey Bell Telephone DB FR 7.375% June 1, 2012.....	409,091	369,000
600,000	Southern Bell Tel & Tel Deb FR 7.625% March 15, 2013.....	531,766	507,000
500,000	Southern Bell Tel & Tel Deb FR 8.000% February 15, 2014.....	456,670	440,000
550,000	New York Telephone Ref F/R 8.875% March 15, 2015.....	515,365	525,250
600,000	New York Telephone Deb 7.875% June 15, 2017.....	536,710	519,000
		$9,584,895	$9,541,312
	CONVERTIBLE BONDS AND PREFERRED STOCKS		
25,000	ARMCO Steel $2.10 Conv Pfd.....	$ 664,250	$ 715,625
150,000	Norfolk & Western Rwy CV Deb 4.625% January 1, 1983.....	111,000	127,313
550,000	Norfolk & Western Rwy CV Deb 4.625% June 1, 1985.....	401,725	429,000
985,000	Chemical Bd NY Tr CV F/R 5.000% August 1, 1993.....	677,491	669,800
850,000	Gulf States Utilities Conv Deb 7.250% September 1, 1992.....	815,000	756,500
1,075,000	U.S. Steel Corporation CV Deb FR 5.750% July 1, 2001.....	884,406	741,750
		$3,553,872	$3,439,988

ENDOWMENT AND SIMILAR FUNDS

Schedule of Stocks, Bonds, and Other Investments — Continued

June 30, 1979

		Book Value	Market Value
	MORTGAGES		
	Veterans Administration Mtgs Mount Holyoke College 4.500%.....	$ 752,039	$ 600,528
	College Faculty and Staff Mortgages...	$1,657,210	$1,657,210
	COMMON STOCKS		
	CONSUMER AND SERVICE		
Banking & Credit			
1,400	Citicorp.....	$ 21,061	$ 35,175
25,000	First National Bank Boston Corp.....	706,688	737,500
22,333	Harris Bankcorp Inc.....	626,012	616,949
40,000	Household Finance.....	696,630	810,000
8,603	National Detroit Corp.....	211,978	265,618
		$2,262,369	$2,465,242
Drugs & Toiletries			
19,000	Avon Products.....	$ 923,575	$ 897,750
20,000	International Flavors & Fragrances....	427,700	410,000
30,125	Pfizer Inc.....	995,545	922,579
20,000	Sterling Drug.....	401,800	335,000
30,000	Tampax Inc.....	1,107,625	847,500
		$3,856,245	$3,412,829
Food & Beverage			
30,000	Pepsico.....	$ 737,125	$ 761,250
Household Products			
8,216	Procter & Gamble.....	$ 611,564	$ 631,605
20,000	Dart Industries, Inc.....	753,925	905,000
		$1,365,489	$1,536,605
Insurance			
20,000	Alexander & Alexander Svcs Inc.....	$ 379,833	$ 540,000
8,000	General Reinsurance.....	662,200	660,000
		$1,042,033	$1,200,000
Recreation & Service			
20,000	Dun & Bradstreet Co Inc.....	$ 615,100	$ 685,000
	SCIENCE AND TECHNOLOGY		
Business Equipment			
22,656	International Business Machines.....	$ 785,686	$1,662,384
14,000	Minnesota Mining & Manufacturing.....	796,975	789,250
12,000	Xerox Corporation.....	702,727	727,500
		$2,285,388	$3,179,134

ENDOWMENT AND SIMILAR FUNDS

Schedule of Stocks, Bonds, and Other Investments — Continued

June 30, 1979

		Book Value	Market Value
	BASIC INDUSTRIES		
Automobile			
12,500	Ford Motors	$ 576,775	$ 532,813
12,179	General Motors	798,402	723,128
		$1,375,177	$1,255,941
Chemicals			
302	Rohm & Haas	$ 19,935	$ 11,627
Forest Products			
17,908	International Paper	$ 788,778	$ 799,145
Mining & Metals			
14,000	Aluminum Co of America	$ 802,250	$ 719,250
20,000	Freeport Minerals	509,166	992,500
17,000	Inland Steel	821,985	616,250
33,000	Kaiser Aluminum & Chemical Corp	679,188	618,750
		$2,812,589	$2,946,750
Petroleum			
15,000	Atlantic Richfield	$ 903,375	$1,012,500
18,859	Exxon Corp	627,829	1,016,029
10,705	Getty Oil	444,961	537,926
10,000	Halliburton Company	704,050	670,000
20,000	Marathon Oil	758,500	760,000
25,104	Mobil Corp	549,023	985,332
		$3,987,738	$4,981,787
Transportation			
15,000	Santa Fe Industries	$ 511,500	$ 628,125

ENDOWMENT AND SIMILAR FUNDS

Schedule of Stocks, Bonds, and Other Investments — Concluded

June 30, 1979

	Book Value	Market Value
PUBLIC UTILITIES		
Public Utilities - Communications		
18,396 American Tel & Tel	$ 796,341	$1,064,669
Public Utilities - Electric		
40,000 Central & Southwest	$ 648,200	$ 635,000
53,572 Southwestern Public Service	649,056	723,222
	$1,297,256	$1,358,222
Public Utilities - Gas		
20,000 Panhandle Eastern Pipe Line	$ 548,435	$ 997,500
Miscellaneous	$ 904	$ 938
Other Assets		
Life Insurance Policies Assigned to College	$ 1,915	$ 1,915
Aldridge Oil Lease	1	1
Promissory Note	167	167
Real Estate	228,841	228,841
	$ 230,924	$ 230,924

LIFE INCOME FUNDS

Summary of Stocks, Bonds, and Other Investments

June 30, 1979

	Book Value	Market Value
Fixed Income Securities		
Short Term Investments	$ 446,121	$ 446,060
Medium Term Bonds	171,950	173,000
Long Term Bonds	703,574	680,469
Convertible Bonds and Preferred Stocks	174,106	169,375
	$1,495,751	$1,468,904
Common Stocks		
Banking and Credit	$ 146,216	$ 147,800
Business Equipment	165,638	176,013
Automobile	66,658	57,178
Drugs and Toiletries	138,760	132,500
Forest Products	40,055	44,625
Household Products	39,320	45,250
Machinery	40,838	37,875
Mining and Metals	177,589	201,300
Petroleum	221,952	258,815
Recreation & Service	39,578	44,525
Transportation	48,843	62,813
Public Utilities - Communications	37,916	42,943
Public Utilities - Electric	98,280	98,250
Public Utilities - Gas	43,050	74,813
Miscellaneous Securities	4,455	4,170
	$1,309,148	$1,428,870
Total Stocks, Bonds and Other Investments	$2,804,899	$2,897,774

LIFE INCOME FUND

Schedule of Stocks, Bonds, and Other Investments

June 30, 1979

		Book Value	Market Value
	SHORT TERM INVESTMENTS		
2,843	Scudder Managed Reserves, Inc.....	$ 28,365	$ 28,435
100,000	Bank of New York C/D		
	11.000% July 18, 1979.....	100,000	100,000
100,000	First National Bank of St. Paul C/D		
	10.550% August 8, 1979.....	100,000	100,000
50,000	Arco Pipeline GTD Note		
	8.700% November 1, 1981.....	49,358	49,250
125,000	U.S. Treasury Notes		
	7.250% December 31, 1981.....	121,523	120,625
50,000	U.S. Treasury Notes		
	7.125% November 15, 1982.....	46,875	47,750
		$ 446,121	$ 446,060
	MEDIUM TERM BONDS		
100,000	U.S. Treasury Notes		
	8.250% August 15, 1985.....	$ 98,813	$ 98,000
75,000	U.S. Treasury Notes		
	8.750% November 15, 1988.....	73,137	75,000
		$ 171,950	$ 173,000
	LONG TERM BONDS		
50,000	Continental Illinois Conv FL Note		
	10.600% May 1, 1987.....	$ 50,000	$ 49,500
25,000	Northwest Bancorporation Conv FL Note		
	11.000% May 1, 1989.....	24,990	24,719
100,000	Chesapeake & Ohio Ry		
	8.250% March 1, 1990.....	97,775	92,500
50,000	Canadian Pacific Ltd		
	10.350% December 1, 1994.....	48,225	50,750
50,000	General Motors Accept Corp F/R		
	8.750% June 15, 2001.....	46,119	47,750
100,000	Standard Oil of Indiana Deb FR		
	9.200% July 15, 2004.....	111,689	101,000
50,000	Province of Ontario Deb FR		
	10.250% October 1, 2004.....	55,875	51,750
100,000	Pacific Tel & Tel Deb F/R NC 75		
	8.750% October 1, 2006.....	89,794	90,000
50,000	New Jersey Bell Tel Deb FR		
	7.250% April 1, 2011.....	43,357	40,500
100,000	Southern Bell Tel & Tel Deb FR		
	8.000% February 15, 2014.....	85,500	88,000
50,000	Southern Bell Tel & Tel Deb FR		
	8.125% May 1, 2017.....	50,250	44,000
		$ 703,574	$ 680,469

LIFE INCOME FUND

Schedule of Stocks, Bonds, and Other Investments

June 30, 1979

		Book Value	Market Value
	CONVERTIBLE BONDS AND PREFERRED STOCKS		
1,400	ARMCO Inc 2.10 Conv Pfd	$ 39,935	$ 40,075
50,000	Norfolk & Western Rwy CV S/D 4.625% June 1, 1987	28,396	36,500
50,000	Gulf States Utilities CV SD FR 7.250% September 1, 1992	47,925	44,500
70,000	U.S. Steel Corporation Deb FR 5.750% July 1, 2001	57,850	48,300
		$ 174,106	$ 169,375
	CONSUMER AND SERVICE		
	Banking & Credit		
1,200	Chemical New York Corp	$ 53,401	$ 48,300
2,000	First National Boston Corp	58,240	59,000
2,000	Household Finance	34,575	40,500
		$ 146,216	$ 147,800
	SCIENCE AND TECHNOLOGY		
	Business Equipment		
1,200	International Business Machines	$ 78,359	$ 88,050
700	Minnesota Mining & Manufacturing	40,999	39,463
800	Xerox Corp	46,280	48,500
		$ 165,638	$ 176,013
	BASIC INDUSTRIES		
	Automobile		
963	General Motors	$ 66,658	$ 57,178
	Drugs and Toiletries		
1,000	Avon Products	$ 47,100	$ 47,250
1,500	Tampax	53,250	42,375
1,400	Pfizer, Inc	38,410	42,875
		$ 138,760	$ 132,500
	Forest Products		
1,000	International Paper	$ 40,055	$ 44,625
	Household Products		
1,000	Dart Industries, Inc	$ 39,320	$ 45,250
	Machinery		
1,500	Briggs & Stratton	$ 40,838	$ 37,875
	Mining & Metals		
1,000	Aluminum Co of America	$ 52,945	$ 51,375
1,200	Freeport Minerals	27,249	59,550
1,200	Inland Steel	49,020	43,500
2,500	Kaiser Aluminum & Chemical Corp	48,375	46,875
		$ 177,589	$ 201,300

LIFE INCOME FUND

Schedule of Stocks, Bonds, and Other Investments — Concluded

June 30, 1979

		Book Value	Market Value
Petroleum			
1,000	Atlantic Richfield	$ 60,225	$ 67,500
1,036	Exxon Corp	37,690	55,815
2,000	Mobil Corp	69,369	78,500
1,500	Marathon Oil	54,668	57,000
		$ 221,952	$ 258,815
Recreation & Service			
1,300	Dun & Bradstreet Co., Inc	$ 39,578	$ 44,525
Transportation			
1,500	Santa Fe Industries	$ 48,843	$ 62,813
	PUBLIC UTILITIES		
Public Utilities - Communications			
742	American Tel & Tel	$ 37,916	$ 42,943
Public Utilities - Electric			
3,000	Central & Southwest	$ 53,815	$ 47,625
3,750	Southwestern Public Service	44,465	50,625
		$ 98,280	$ 98,250
Public Utilities - Gas			
1,500	Panhandle Eastern Pipeline	$ 43,050	$ 74,813
Miscellaneous		$ 4,455	$ 4,170

PRIVATE GIFTS, GRANTS AND BEQUESTS ($2,000 and over)
1978-1979

Alumnae Association of Mount Holyoke College
Mount Holyoke Parents and Friends Fund
Estate of Florence Adams
Mrs. Margaret Murray Adkins
Eleanor L. Adler, M.D.
Aetna Life & Casualty Company
Allied Chemical Foundation
American Chemical Society
American Cyanamid Company
American Express Foundation
Armstrong Cork Company
Mr. and Mrs. Donald P. Babson
Dr. and Mrs. Alfred Bader
Baker Foundation
Mr. Robert E. Barrett
Elisabeth Alberti Bass
Mrs. Marjorie Allen Benedict
The Frank Stanley Beveridge Foundation
Dr. John Bickford
Mrs. Olga Stotz Bida
Curtis Blake Foundation
Miss Elizabeth Boyd
The Braitmayer Foundation
Mr. Benjamin H. Bristol
Miss Margaret C. Brown
Mrs. Harold C. Buckingham, Jr.
Mrs. Erry M. Burnett, Jr.
Dr. and Mrs. Bascom H. Caldwell, Jr.
Mr. and Mrs. Llewellyn L. Callaway, Jr.
Estate of Adaline Chase
The Chase Manhattan Bank, N. A.
Citibank, N. A.
Estate of Elizabeth Shoyer Cleland
Mr. and Mrs. Lew G. Coit
Lucy Cooledge Trust
Mr. and Mrs. John L. Cooper
Sybil and Albert Craig
Mrs. Catherine G. Curran
Estate of Florence Cuthbert
Mrs. John C. Daniel
The Shelby Cullom Davis Foundation
Estate of Professor Chester L. Dawes
Mr. Hedley Donovan
The Camille and Henry Dreyfus Foundation, Inc.
Estate of Arthur Drinkwater
Estate of William Drinkwater
Miss Virginia M. Dunbar
Mrs. Dorothy Snyder Dygert
E. I. duPont de Nemours & Company
Mrs. Marcia D. (Hill) Eastham
Estate of Margaret Edie
*Mr. and Mrs. Benjamin Einhorn
Mr. and Mrs. Richard H. Eisenhart
Miss Esther Emerson
Mr. and Mrs. Walter L. Erley
Exxon Education Foundation
Mrs. Herbert G. Fales
Daniel and Jessie Lie Farber
Miss Ruth M. Ferry

*Denotes Deceased

PRIVATE GIFTS, GRANTS AND BEQUESTS ($2,000 and over)
1978-1979

Estate of Dorothy Hall Fish
Mrs. Sidney D. Gamble
Guy P. Gannett Foundation
General Telephone & Electronics Foundation
The General Electric Foundation
General Motors Corporation
Miss Esther Goodale
Mrs. Charles D. Griot
Mrs. J. Alfred Guest
Mrs. Lisa Lansing Gwirtzman
Phoebe W. Haas Charitable Trust
Estate of Helen Francis Haine
Mr. and Mrs. H. Thomas Hallowell, Jr.
Miss Elizabeth C. Ham
Estate of Mary A. Hansen
Mr. C. Lansing Hays, Jr.
Miss Helen W. Hazelton
Estate of Margaret Waite Heider
Mrs. George J. Higgins
Estate of Fanchon Hirshkind
Estate of Morton Hirshkind
Estate of Bernice E. Hodges
Estate of Mildred J. Holt
Mr. and Mrs. Dennett F. Howe
International Business Machines Corporation
Miss Dorothy Jameson
Miss Elizabeth H. Jenney
Estate of William P. Joerger
Miss Helen W. Jones
Estate of Rufus H. Jones
Estate of Sarah Maude Kaemmerling
Mr. and Mrs. Ira N. Langsan
Estate of Mildred Page Lauder
Mr. and Mrs. Harry LaViers, Jr.
Mrs. Hiram S. LeWine
The Agnes M. Lindsay Trust
Mrs. Lynn Benoliel Lockee
Estate of Frank S. MacGregor
Dr. and Mrs. Richard L. Marcus
Mrs. John W. Masland
Mrs. Kirtley F. Mather
Mr. and Mrs. Norman E. McCulloch, Jr.
Estate of Mary F. McKittrick
Merck Company Foundation
Mrs. W. Kyrel Meschter
Mobil Foundation, Inc.
The Monticello College Foundation
Morgan Guaranty Trust Company of New York Charitable Trust
Marian Wayave Morrison
Mount Holyoke Club of Bergen-Passaic, New Jersey
Mount Holyoke Club of Boston
Mount Holyoke Club of Delaware
Mount Holyoke Club of Fairfield Villages, Connecticut
Mount Holyoke Club of Hartford
Mount Holyoke Club of North Shore, Massachusetts
Mount Holyoke Club of Northern New Jersey
Mount Holyoke Club of Philadelphia
Mount Holyoke Club of Vermont-New Hampshire
Mount Holyoke Club of Westchester

PRIVATE GIFTS, GRANTS AND BEQUESTS ($2,000 and over)
1978-1979

Estate of Gertrude Brady Murphy
Caroline A. H. Myers Scholarship Trust
Estate of Pierson Neave
Estate of Regina J. Neher
The New England Colleges Fund, Inc.
New England Telephone & Telegraph Company
Mr. and Mrs. Arthur E. Nordhoff
Northampton Manufacturing Corporation
Estate of Jane Richter O'Connor
Mr. and Mrs. William R. Perdue, Jr.
Estate of Marguerite Kiley Perkins
Mr. and Mrs. Ellis L. Phillips, Jr.
Mrs. Edward Plaut
Polaroid Foundation
Miss Gladys F. Pratt
Reverend Charles P. Price
The Procter & Gamble Fund
Mr. and Mrs. Sidney R. Rabb
Estate of Lora Carney Rathvon
Mrs. Charles A. Read
Research Corporation
Miss Kathryn Rothwell
Dr. Ursula G. Sanders
Sergei and *Jean Kennedy Schelkunoff
Mr. and Mrs. Bernard N. Schilling
William E. and Bertha E. Schrafft Charitable Foundation
Mr. and Mrs. Ellis D. Schwartz
Mr. and Mrs. Charles A. Seidle
Mr. and Mrs. Dan Seymour
Dr. and Mrs. Eli Shapiro
Shell Companies Foundation
Mr. and Mrs. Henry B. Shepard, Jr.
Mrs. Robert W. Simpson
Joseph A. Skinner Trust
Marion L. Slemons M.D.
Mr. and Mrs. Allan Kellogg Smith
Estate of Jane Spencer Spetnagel
Sprague (The Seth) Educational and Charitable Foundation
Standard Pressed Steel Company
Dr. Kathryn F. Stein
Mr. and Mrs. George R. Steiner
Mr. and Mrs. James A. Stewart
Mr. and Mrs. Edmund J. Struzenski
Surdna Foundation, Inc.
Mrs. Olive Niles Sylvester
Miss Ruth Z. Temple
Texaco, Inc.
Mrs. Ernest E. Thomas
Mrs. Harriet Love Thompson
Mr. and Mrs. William S. Tomkins
Mr. and Mrs. Henry H. Townshend, Jr.
Mr. and Mrs. Otto Albert Trostel
Miss Mary E. Tuttle
The UPS Foundation
Estate of Helen Kurtz Utley
Mr. Frank Valenta
Elizabeth Perry and James E. Walter
Estate of Norah M. Warbeke
Miss Katharine L. Weed

*Denotes Deceased

PRIVATE GIFTS, GRANTS AND BEQUESTS ($2,000 and over)
1978-1979

Mr. and Mrs. Charles W. Wendt
Miss Wilma L. West
Westinghouse Educational Foundation
Mrs. Eleanore Ibbetson Wiedmann
Mr. and Mrs. Robert G. Wiese
Mr. and Mrs. James B. Willing
Estate of Alice Walker Wolfe
Mrs. Yoeh-Ming Ting Yee

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